



研華工業級系統平台

提供您最完整的自動化應用解決方案 ▶▶▶ 2015-2016 研華採購型錄



精簡型電腦



工業級電腦



影像監控電腦



工業級伺服器



觸控電腦



工業型顯示器

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Enabling an Intelligent Planet

CE FCC



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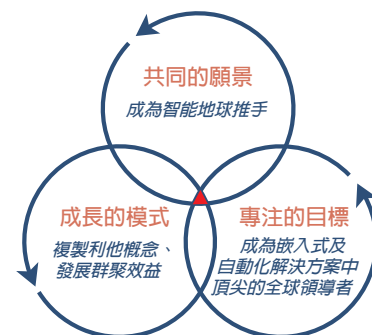
關於研華

研華：智能地球的推手

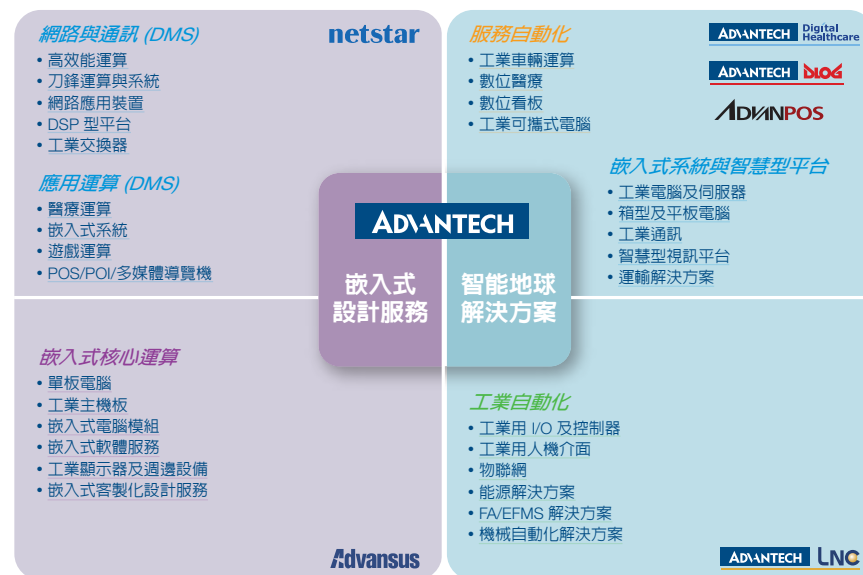
自 1983 年創立以來，研華致力於提供值得信賴且不斷創新的嵌入式和自動化產品及解決方案，並成為世界級的領導廠商，供應客戶全方位的軟硬體系統整合、需求導向的客製化服務以及全球物流支援；由領先業界的前後端辦公室電子商務解決方案做為後盾。透過與合作夥伴的密切合作，為不同產業提供廣泛且完整的解決方案。研華持續創新開發，製造高品質、高效能的運算平台，以穩健踏實為標準；帶動創新為己任；並以智能地球的推手為願景，使無限應用及創新超越成為可能。

研華從 A 到 A+ 的三個價值圈原則

研華的三個價值圈原則是以 Jim Collins 所著的《從 A 到 A+》(Good to Great) 一書為基礎。據書中指出，公司若想要尋求長期成功，就必須明確達成這三項基礎原則，並持續確實執行。研華全心投入，定義了研華自己的「從 A 到 A+ 的三個價值圈原則」，以此為奉行目標。



研華公司結構及成長引擎



🔥 網路與通訊 DMS

研華的整合式 DMS「StarFleet」模型為 OEM 及重要客戶提供以客戶為核心的設計及製造服務 (DMS)，加上遍佈全球的夥伴及合作廠商，成為我們的勝利方程式。DMS 提供軟硬體的整合解決方案。在電信及網路市場，研華提供關鍵任務硬體，服務設備的領導製造商。研華的標準及客製化產品，均內嵌於 OEM 設備，確保全球通訊基礎架構流暢運作。客戶可以透過研華卓越的設計及製造服務，從網路平台開發及製造領域的頂尖創新廠商取得可靠、採開放標準的解決方案，還有專屬的資源及支援做為後盾。

🔥 應用運算 DMS

研華是頂尖的工業電腦系統製造商，同時也是客製化解決方案的供應商。我們在設計及製造服務 (DMS) 方面的應用運算專家開發出垂直導向的應用專屬平台及服務解決方案，可用在許多領域，包括：遊戲運算、電子化醫療運算、可攜式運算及嵌入式系統。我們的專長是設計及製造各種高品質、高效能的工業級硬體和專屬軟體，為滿足各產業實際需求而量身打造。研華 DMS 應用運算團隊擁有專屬的研發團隊、完整的客製化能力，以及全球銷售/服務組織，能滿足客戶的上市時程要求。

世界級的肯定

研華是經過 Intel® 及 Microsoft® 授權的聯盟夥伴。客戶可以發現，我們產品內採用的技術廣泛相容於全球市場的其他產品。全球知名的顧問公司 Interbrand 於 2011 年再度肯定研華，將研華選入台灣前十大全球品牌。研華對此倍感榮幸，因為這是對我們成為值得信賴的全球品牌的肯定；同時也代表我們給予商業合作夥伴的承諾，也就是持續打造值得信賴的品牌，不只要通行全球，更要改善全體人類的生活。

企業公民楷模

研華持續協助環境保護、回饋社會，努力成為企業公民楷模。我們環境計劃的重點，在於減少、重複利用及再生製造作業中所使用的材料。研華在環境法規遵循方面所作的努力包括：

- ISO 9001 認證
- ISO 14001 認證
- ISO 13485 認證
- OHSAS 18001 認證
- TL9000 品質管理系統
- RoHS 指令遵循
- WEEE 指令遵循
- 取得 Sony 綠色夥伴授權



便利的即時支援

研華有 12 支以上的地區免付費熱線，在 21 個國家的 71 座城市設有辦公室，員工人數超過 5,000 人，為客戶服務、產品選擇、技術支援及訂單處理提供有效且專業的服務。全世界的客戶可以透過我們的客服中心及線上商店，享受研華便利的多重服務通路，縮短營運恢復的時間。我們的全球服務網路橫跨台灣、中國、日本、韓國、新加坡、巴西、荷蘭、波蘭及美國，客服中心超過十間，提供了包括倉儲、物流、週邊設備認證、外包和採購，以及 RMA 和支援服務等各式各樣的服務。

✦ 嵌入式核心運算

嵌入式核心運算事業群為客戶提供完整系列的嵌入式主機板、系統、週邊設備模組，以及整合頂尖技術的創新嵌入式軟體服務。研華提供一系列專業的設計服務，以我們內部和全球的資源為後盾，運用進階的嵌入式技術與服務，供應可實現智能地球的智慧型應用程式，協助客戶探索新商機，並藉此全力與嵌入式客戶密切合作，確保推出成功的設計。

✦ 服務自動化

研華的服務自動化及應用運算事業群專注於開發垂直導向的應用專屬平台和服務解決方案，可用在許多領域，包括：工業可攜式運算；數位物流及車隊管理；數位醫療及照護運算；住家和辦公室的智慧空間及情境控制；以及零售業、醫院、企業、教育和公家機關的數位看板及自助式服務。服務自動化及應用運算事業群透過智慧型應用程式，讓客戶享受到便利性、安全性和效率，體驗最佳的互動式和創新的技術及服務。

✦ 嵌入式系統與智慧型平台

運用來自雲端運算（工業伺服器、視訊伺服器）、邊緣運算（無風扇的輕薄型可攜式裝置）的創新技術，再到高效能的嵌入式系統（刀鋒運算、網路處理器平台、DSP 處理），研華將嵌入式系統轉換為擁有智慧、安全和節能功能，整合工業雲端服務及專業系統客製化設計服務（系統 DTOS）的智慧型系統。研華的智慧型系統是專為目標的垂直市場所設計，像是運輸、工業（機械自動化、設備/機台建造）、數位看板和視訊應用（視訊基礎架構和視訊監控）等。

✦ 工業自動化

研華公司的工業自動化作事業群（IAG）以智慧型自動化、無縫整合為營運主軸，是智慧型自動化技術方面的先鋒。整合連線功能、彈性、耐用性和先進的「物聯網」技術，IAG 針對各種產業的智慧型人機介面平台、工業乙太網路、無線通訊、自動化控制器、自動化軟體、嵌入式自動化電腦、分散式 I/O 模組、無線感測器網路解決方案、運動 I/O 和隨插即用 I/O 模組，分別推出了適用的產品系列。IAG 為不同的垂直市場供應全系列產品已有超過 20 年的時間，是全球自動化產品及服務供應商中的佼佼者。



智慧工廠

讓使用者在任何地方都能夠掌控其裝置的物聯網 (IoT)，目前邁向工業自動化。Industry 4.0 利用物聯網的優點轉型為工業物聯網 (IIoT)，且現在可使工業自動化環境也具備相同能力。但是，Industry 4.0 所涵蓋範圍遠超過 IIoT，包括四種核心技術：數位設計與生產技術、網宇實體系統、智慧設備與產品、統一標準通訊協定。透過這些關鍵元素，我們可以實現隨需生產、混合機型製造與先進的應用 (例如機器預測型維護)。Industry 4.0 可產生數 TB 的資料，形成巨量資料的基礎，經由 MES 或 ERP 系統處理，轉換成珍貴的生產資訊。

Flexible
Production

SCADA

監督控制與資料取得 (SCADA) 系統，可針對各種應用的日常遠端控制與監控進行自動化與最佳化，包括工廠自動化、環境控制、運輸與大樓能源管理系統 (BEMS)。針對石油與天然氣工業，SCADA 系統在階層式油田管理方面扮演著重要角色。當然這些系統必須採用高效能且可靠的作業平台，才能處理大量資料，並精準地將資料從遠端區域即時傳送到控制中心。研華提供一對 SCADA 伺服器，採用具備高運算功率與儲存容量的新型工業設計，提供最佳可靠性，以因應石油與天然氣的相關高度需求。



產品解決方案

生產資訊整合 ▶

即時資訊調度與顯示 ▶

軟體



研華 WebAccess
網路式人機介面/
SCADA 軟體

人機介面



PPC-6170
無風扇/多功能觸控式
液晶電腦

通訊



EKI-9300 系列
全 Gigabit 管理
DIN 軌道乙太網路
交換器

SCADA伺服器



SYS-2U7242-4S01
研華 2U 機架伺服器等級工業
電腦支持Dual Intel® Xeon® E5
系列高效能CPU

遠端 I/O



WISE-4000 系列
物聯網無線
I/O 模組



ADAM-6200 系列
菊鏈乙太網路
I/O 模組

軟體



WebAccess/NMS
網路管理軟體



即時生產資訊調度與顯示

智慧型工廠指的是運用資訊視覺化將工廠資訊的散佈最佳化，並將其與現場和 MES 管理系統連接。從現場作業員到廠房經理與管理執行人員等使用者，均可運用這些產能指標與趨勢，來組織更精準的即時決策制定與業務策略。



設備連網與監控

透過先進的測試與測量技術以及高度整合的網路功能，機器可在生產過程中即收集資訊，再轉換成珍貴的資訊。網路功能也實現了機器對機器 (M2M) 通訊，以升級所有生產線的彈性與效率。全面的 DAQ 產品功能加上成熟的網路架構，使研華在邁入 Industry 4.0 時代之際，具備了絕佳優勢。



設備連網與監控

顯示器



FPM-6211W
21.5 吋 Full HD
半工業型監視器

工業電腦



SYS-4U7442-4S02
工業級伺服器



SYS-7W7132-4A01
桌上型工業電腦



AIMC-3421
精簡型電腦

人機介面



TPC-1551T
客戶端面板電腦
(搭載 iDoor 技術)

通訊



EKI-5000 系列
Gigabit/快速乙太網路
ProView 交換器

I/O



PCIE-1802
「高效能、易整合」為
研華小型化系統主張價值



PCIE-1816
高效能 PCIE
多功能卡

研華智能影像解決方案

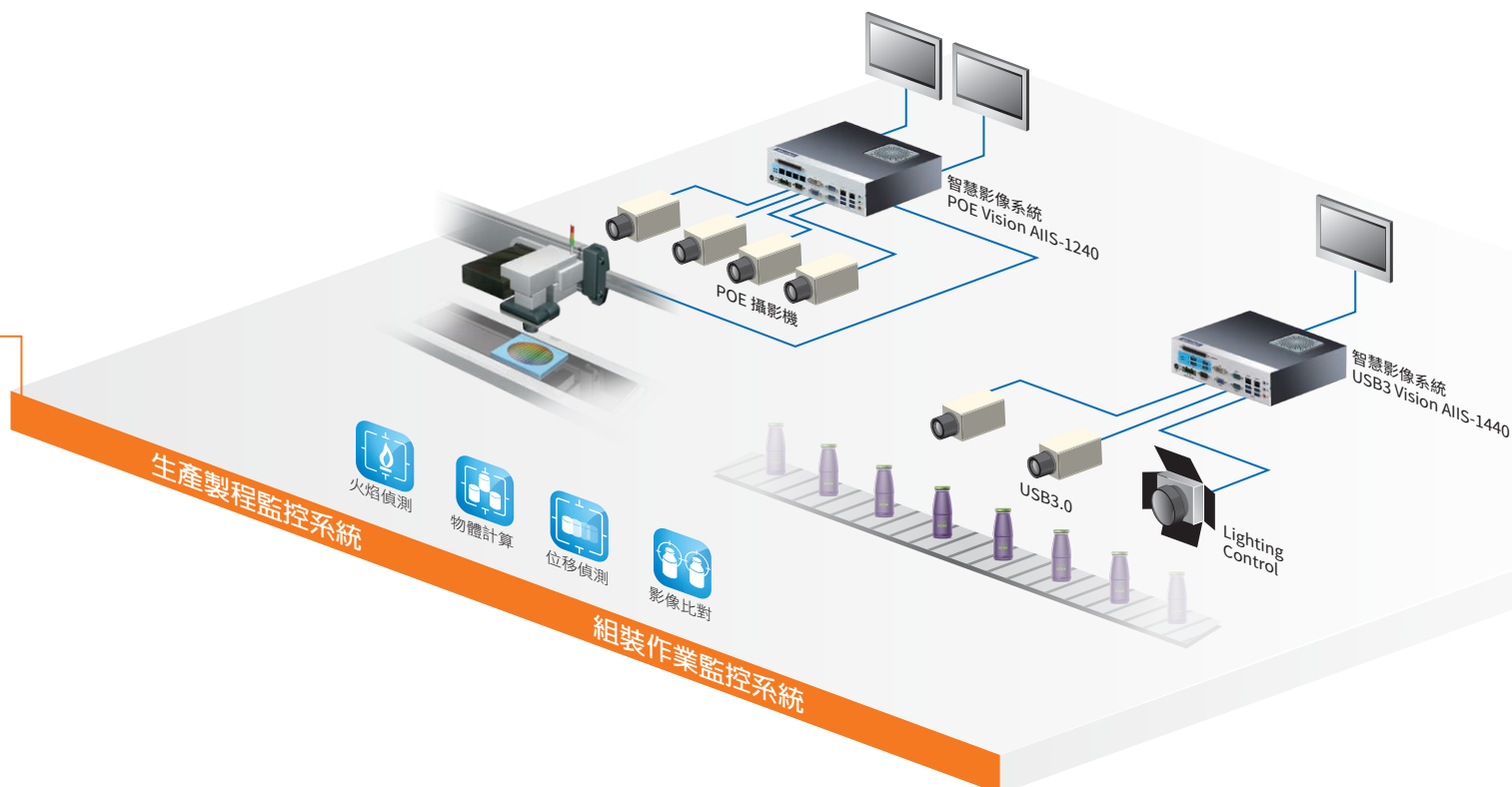
研華廠務智慧影像系統搭配資料擷取控制器及廠務監控工業電腦預先搭配的廠務公用設備監控軟體所組成。能以自動化偵測和報警的即時反應，讓工作人員第一時間掌握緊急狀況，降低機台停機發生機率和有效控管公安事件，減少損失，提升廠務管理安全性與穩定性。

生產、組裝監控系統

- AIIS-1240 具備4-ch POE功能，並相容IEEE 802.3af，供應帶電最長距離可達100公尺
- AIIS-1440 具備4-ch USB3功能，擁有4個獨立的USB 3.0主控制器
- 可整合智慧影像辨識，如物體計算、位移偵測，提供產線人員即時告警資訊

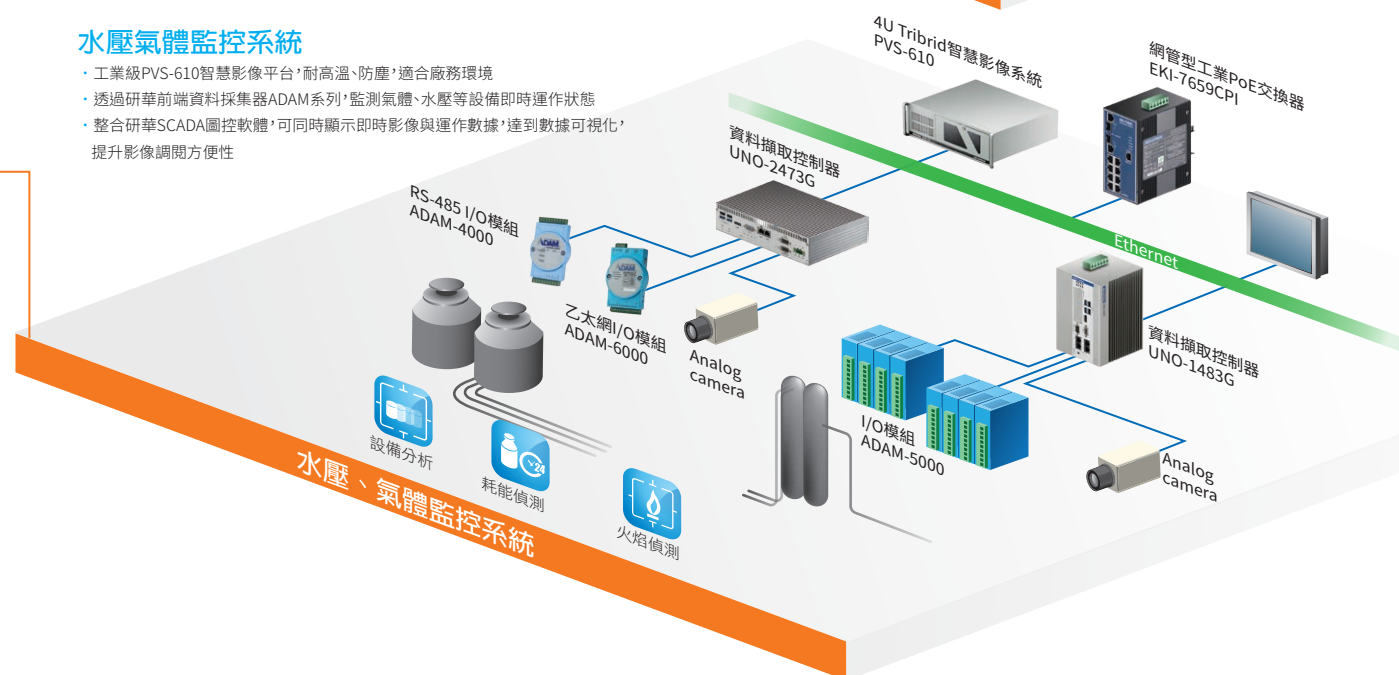
中央控制系統

- 將即時監控影像畫面透過乙太網路傳遞至中央控制室CMS進行數據儲存
- 研華全系列iStorage支援遠端控制與管理軟體，提供事件自動偵測和主動告警功能
- 透過智能影像搜尋，讓廠務人員快速搜尋到影像資料，即時確保廠務運作安全



水壓氣體監控系統

- 工業級PVS-610智慧影像平台，耐高溫、防塵，適合廠務環境
- 透過研華前端資料採集器ADAM系列，監測氣體、水壓等設備即時運作狀態
- 整合研華SCADA圖控軟體，可同時顯示即時影像與運作數據，達到數據可視化，提升影像調閱方便性



全方位工業電腦及整合服務，自動化應用的最佳幫手

概覽

研華為自動化領域提供完整的工業電腦，能滿足多樣化應用的需求。一站式解決方案搭配精密的系統整合服務，包含客製化、整合、驗證及認證，可讓應用解決方案的效能大幅提升，為需要值得信賴之合作夥伴的客戶提供可靠堅固的系統，是研華的一貫承諾。

IPC 專家陪您開拓事業

- 採用姆指螺絲，減少螺絲用量，您可自行選擇是否使用鑰匙上鎖
- 可輕鬆更換的風扇模組前端 I/O 設計可加速 ATE 應用
- 插頭環鎖可將電源線牢牢固定



採用姆指螺絲，減少螺絲用量



可上鎖機殼，您可自行選擇是否使用鑰匙上鎖



可輕鬆更換的風扇模組



前端 I/O 設計可加速 ATE 應用



插頭環鎖可將電源線牢牢固定



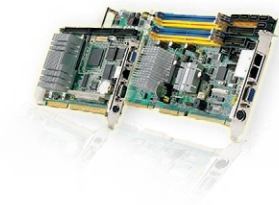
🔧 自動化測試與檢驗

品質控制系統在近幾年因為成本高昂，導致市場需要更具成本效益的替代方案。研華的產品搭配自動化測試與檢驗系統，有助於降低人為錯誤並加快上市時間。



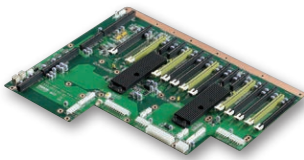
🏭 生產自動化

研華採用開放、嵌入式架構，搭配優異的擴充能力、相容性，以及彈性與擴充性兼具的 PAC，讓我們的客戶得以整合不同製造商所生產的各種設備，迎戰瞬息萬變的市場需求。



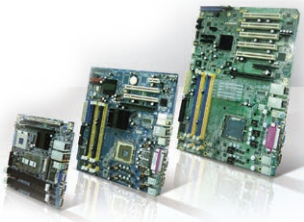
PICMG1.0/1.3 單板電腦

研華插槽式 CPU 卡提供多元解決方案滿足工業和嵌入式應用。我們的可擴充產品線涵蓋了完整的產品陣容，包括標準 PICMG 1.0/1.3 全長及半長單板電腦 (SBC)，擁有彈性的 I/O 處理能力和極佳的擴充性，可從 ISA 擴充至 PCI 和 PCI Express。搭配研華製造的全系列背板、機殼和周邊配件支援，就能輕鬆容納這款 CPU 卡，對於插槽需求偏多的工業應用而言，堪稱最理想的方案。



無電源背板

研華製造的多款背板皆適合 PICMG 1.0/1.3 SBC 使用。插槽數量從 2 至 20 個不等，可透過與 ISA、32 位元 / 64 位元 PCI 和 PCIe 插槽的彈性組合將系統組態最佳化。我們嚴格貫徹設計原則，有利於客戶輕鬆辨識出特定的解決方案，確保系統相容性。研華也提供低成本的专业設計服務，針對不同擴充需求的背板量身打造解決方案，僅需短時間即可完成。



工業主機板

研華提供完整一系列的工業主機板，有各種不同的尺寸規格，包括效能出色的 ATX、性價比最佳的 MicroATX 以及超小巧但整合度極高的 Mini-ITX。這些主機板不但整合度極高，也具有多項進階功能，例如多核心處理和 PCI Express 技術。全新產品充分滿足工業應用的嚴苛需求，包括無縫升級、長期支援、公認的可靠度和嚴格的改版控制。



伺服器等級工業電腦

研華的伺服器級 IPC 提供完整的解決方案和加值型服務，而不僅僅是標準的伺服器產品。研華伺服器也具備多重處理器的運算能力、熱交換功能、備援和豐富的儲存容量。



工業電腦機殼

研華提供種類繁多的工業電腦機殼產品，包括 1U 到 7U 機架以及壁掛型解決方案，專業的設計可支援各種不同尺寸規格的工業級主機板/單板電腦 (SBC)，例如 ATX、MicroATX、Mini-ITX、PICMG 1.0/1.3 全長/半長 SBC、3.5 吋/5.25 吋 Biscuit SBC 等等。我們的機殼包含各式功能，例如備援供電器、可熱交換的配件、儲存和散熱選項及系統故障偵測機制。



包裝自動化

如欲實現高效率的包裝，必須耐久度高，而且總體持有成本低廉。藉由整合高度精準的馬達和高速資料擷取卡，包裝機的效能將大幅改善，所建置的系統不但有彈性，也能降低成本。



製程控制

擁有可擴充架構和時間確定性控制的高階運算系統，是製程控制系統發揮效能的重要功臣。客戶可以利用研華的解決方案將生產資訊與 MES 和 CIM 系統進行整合，同時滿足離散、批次和連續製程控制的需求。

研華智能地球服務

製造

研華在台灣和中國的兩座世界級製造中心要求最精準的品質控制，並在符合時效和成本效益下提供各種產品。為了將營運流程的效率提升至最高，我們在各個製造服務單位內設立了叢集製造系統。這個獨特的方法，讓我們建立了一套直接、簡潔、高整合度、囊括從設計到製造的完善流程。



- 自主生產主機板、機殼和系統
- 兩座世界級的製造中心，將營運風險降到最低
- 先進的生產能力和客製化流程
- 嚴密的品保系統
- 最完善的 ISO 標準涵蓋範圍

依訂單配置服務

研華的依訂單配置服務 (CTOS) 提供網頁式設定工具、完善且精細的組裝服務，加上高混合度、少量的機箱生產和客製化組裝、修改、系統整合及功能測試服務，讓工業運算解決方案變得更平易近人。

ADVANTECH CTOS
Configure To Order Services

- 線上智慧型設定
- 本地的客製化設定服務
- 運用完善的方法，達成複雜的設定解決方案
- 提供 2 年全球保固，涵蓋系統及整合的週邊設備

經過認證的品保系統

研華所設計及製造的工業電腦均符合我們的 3C 品質聲明：

- 隨時努力提升整體的客戶滿意度
- 持續改善
- 採用封閉式機制來解決問題

研華以品質為優先，設有一系列的安全、EMC 和可靠性措施，例如 ESD、震動、掉落測試、溫度、溼度和 HALT 試驗室，確保我們的產品符合最嚴峻的標準。所有設施均至少通過 ISO 9001 及 14001 認證，有些更取得 ISO 13485、17025、TL9000 及 OHSAS18001 等額外認證。研華也設有環境計劃，將重點放在減少、重複利用及再生製程中所使用的材料。我們所有產品均 100% 符合 RoHS 標準，同時也採用 QC080000 之類的环境管理系統，以符合全球的環境需求。研華在環境保護方面的努力，自 2004 年起便獲得 Sony 的肯定 (Sony 綠色夥伴)。

- 完善的 ISO 涵蓋範圍
- 綠色政策
- 持續監督品質及可靠性
- 方便聯繫的品質聯絡人



一站式全球服務



研華的智能地球服務結合了優異的商業專業知識、強大的設計能力及完善的全球服務網路，可提供單站式全球服務及全方位解決方案。研華提供各式各樣的全球支援套件，能將客戶專案的彈性和效率提升至最高。

全球物流服務

研華的全球物流網路完善整合了 ERP 和 SAP 供應鏈解決方案，提供包括本地和全球解決方案在內多種不同的遞交模式選項，能滿足客戶的獨特需求和預算要求。

研華的物流服務可讓客戶彈性簡化物流網路，讓產品準時上市，享受快速的投資報酬。

- 最佳及彈性的運送解決方案
- 中央廠房，本地遞交
- 整合 ERP 和 SAP 供應鏈解決方案，擁有全球配送網路

全球採購服務

研華的全球採購服務由本地團隊組成，能運用其穩健的全球供應商關係與嚴格的廠商及產品管理，提供保證品質且相容的週邊設備，縮短前導時間，提高價格競爭力。

- 本地化採購，全球網路支援
- 全球標準化管理；100% 相容的週邊設備
- 採用版本控制，品質值得信賴
- 縮短前導時間，提高價格競爭力

全球客戶支援服務

研華的服務觸角遍及全球，為客戶提供可靠的本地化支援服務。我們可以建立最佳的維護及支援方案，讓服務系列產品發揮最大功效，藉此協助降低成本，主動化解營運風險，使其完美符合您的需求。除了完整的技術及維修支援，我們還提供各種客製化的售後服務，包括延長保固、預先替換、升級、快速維修等。我們的本地支援團隊擁有專業知識，能為世界各地提供不中斷的支援服務體驗，協助讓您的投資保持在尖峰效能，隨時都符合預算。

- 全天候技術支援：客戶行政熱線和線上聊天室支援
- 全球部署的本地全線式維修
- 簡單易用的網頁式維修和追蹤系統 (eRMA)
- 各種加值售後服務套件

全天候技術支援



精簡型電腦

高效能高擴充



Model Name		AiMC-2100	AiMC-3200	AiMC-3201	AiMC-3420	AiMC-3421
Processor System	CPU	Core i7-3610QE/Core i5-3610ME/Core i3-3120ME/Celeron B810	Core i7-2600/Core i5-3550S	i7-4790S/i5-4590S/i3-4360	Core i7-2600/Core i5-3550S	i7-4790S/i5-4590S/i3-4360
	Core	4/2/2/2	4/4	4/8, 4/4, 4/4	4/4	4/8, 4/4, 4/4
	Base Frequency	2.3 GHz/2.7 GHz/2.4 GHz/1.6 GHz	3.4 GHz/3.0 GHz	3.2 GHz/3.0 GHz/3.7 GHz	3.4 GHz/3.0 GHz	3.2 GHz/3.0 GHz/3.7 GHz
	L3 Cache	6 MB/3 MB/3 MB/2 MB	8 MB/6 MB	8 MB/6 MB/4 MB	8 MB/6 MB	8 MB/6 MB/4 MB
	Chipset	QM77	H61	H81	H61	H81
	BIOS	AMI 64Mb SPI Flash	AMI 64Mb SPI Flash	AMI 128Mb SPI Flash	AMI 64Mb SPI Flash	AMI 128Mb SPI Flash
Memory	Technology	Dual Channel DDR3 1066/1333 MHz (Non ECC)	Dual Channel DDR3 1066/1333 MHz (Non ECC)	Dual Channel DDR3 1066/1333/1600 MHz (Non ECC)	Dual Channel DDR3 1066/1333 MHz (Non ECC)	Dual Channel DDR3 1066/1333/1600 MHz (Non ECC)
	Max. Capacity	16 GB (8 GB per DIMM)	16 GB (8 GB per DIMM)	16 GB (8 GB per DIMM)	16 GB (8 GB per DIMM)	16 GB (8 GB per DIMM)
	Socket	204-pin SO-DIMM x 2	204-pin SO-DIMM x 2	204-pin SO-DIMM x 2	204-pin SO-DIMM x 2	204-pin SO-DIMM x 2
Graphics	Controller	Integrated Gfx Gen 7, supports DirectX11, OpenGL 3.1 and OpenCL 1.1	Integrated Intel HD Graphics	Integrated Intel HD Graphics	Integrated Intel HD Graphics	Integrated Intel HD Graphics
Expansion slot	PCI Express x16	1: Full-Height: 107 mm / Length: Max. 176 mm	1 (Lower-layer slot); Full-Height: 107 mm / Length: Max. 180 mm; Supports 1U CPU cooler only	1 (Lower-layer slot); Full-Height: 107 mm / Length: Max. 180 mm; Support 1U CPU cooler only	1; Full-Height: 107 mm / Length: Max. 196 mm	1; Full-Height: 107 mm / Length: Max. 196 mm
	PCI Express x4	-	1 (Upper-layer slot); Full-Height: 107 mm / Length: Max. 180 mm	1 (Upper-layer slot); Full-Height: 107 mm / Length: Max. 180 mm	2; Full-Height: 107 mm / Length: Max. 196 mm	1; Full-Height: 107 mm / Length: Max. 196 mm
Ethernet	Interface	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps
	Controller	LAN1: Intel 82579LM, LAN2: Intel 82583V	LAN1: Intel 82579V, LAN2: Intel 82583V	LAN1: Intel I217V, LAN2: Intel I211AT	LAN1: Intel 82579V, LAN2: Intel 82583V	LAN1: Intel I217V, LAN2: Intel I211AT
SATA	Max Data Transfer Rate	600 MB/s (SATA 3.0) / 300 MB/s (SATA 2.0)	300 MB/s (SATA 2.0)	600 MB/s (SATA 3.0)	300 MB/s (SATA 2.0)	600 MB/s (SATA 3.0)
	HDD Bay	2 internal 2.5" (Top: max. 12.5 mm height, Bottom: max. 9.5 mm height)	2 internal 2.5" (Both: max. 15 mm height)	2 internal 2.5" (Both: max. 15 mm height)	1 internal 3.5"	1 internal 3.5"
I/O Interface	Display	1 VGA + 1 HDMI + 2 Display Port (Max triple display, except i7-2710QE, i5-2510E, i3-2330E & B810 CPU)	VGA+DVI-D	VGA+DVI-D (1920 x 1200 pixel @ 60Hz)	VGA	VGA
	USB	4 USB3.0	4 USB2.0 (3 in front, 1 internal type-A for software key)	4 USB2.0 (3 in front, 1 internal type-A for software key)	8 (USB 2.0 compliant, 2 in front, 5 in rear, 1 internal type-A for software key)	4 (USB 2.0 compliant, 2 in front, 1 in rear, 1 internal type-A for software key)
	Serial	2 (RS-232, COM2 with 5 V/12 V)	2 RS-232	2 RS-232	2 RS-232	2 RS-232
	Mini PCIe	1 internal	-	-	-	-
	Cfast	1 internal	-	-	-	-
	Audio	3 (Mic-in, Line-out, Line-in)	-	-	-	-
Watchdog Timer	PS/2	2 (1 x keyboard and 1 x mouse)	1	1	1	1
	Output	System reset	System reset	System reset	System reset	System reset
Power Supply	Interval	Programmable 1 ~ 255 sec/min	Programmable 1 ~ 255 sec/min	Programmable 1 ~ 255 sec/min	Programmable 1 ~ 255 sec/min	Programmable 1 ~ 255 sec/min
	Output Rating	AC 250W, ATX	AC 250W, ATX	AC 250W, ATX	AC 300W, ATX	AC 300W, ATX
Cooling	Input Voltage	100 V _{AC} ~ 240 V _{AC}	100 V _{AC} ~ 240 V _{AC}	100 V _{AC} ~ 240 V _{AC}	100 V _{AC} ~ 240 V _{AC}	100 V _{AC} ~ 240 V _{AC}
	System Fan	2 (6cm / 27.7 CFM)	2 (6cm / 27.7 CFM)	2 (6cm / 27.7 CFM)	1 (9cm / 53 CFM)	1 (9cm / 53 CFM)
Miscellaneous	Air Filter	Yes	Yes	Yes	Yes	Yes
	LED Indicators	Power, HDD, temperature	Power, HDD, temperature	Power, HDD, temperature	Power, HDD, Temp, Fan	Power, HDD, Temp, Fan
Physical Characteristics	Control	Power on/off switch	Power on/off switch	Power on/off switch	Power on/off switch, Reset button	Power on/off switch, Reset button
	Dimension (W x H x D)	272 x 88 x 232 mm	232 x 90 x 232 mm	232 x 90 x 232 mm	150 x 222 x 270 mm	150 x 222 x 270 mm
	Weight	3.5 kg	4.5 kg	4.5 kg	5 kg	5 kg

機器視覺專用機



Model Name		4-CH PoE	4-CH USB3
		AIIS-1240	AIIS-1440
Processor System	CPU	Core i7-3770/Core i5-3550S/Core i3-3220	Core i7-3770/Core i5-3550S/Core i3-3220
	Core	4/4/2	4/4/2
	Base Frequency	3.4 GHz/3.0 GHz/3.3 GHz	3.4 GHz/3.0 GHz/3.3 GHz
	L3 Cache	8 MB/6 MB/3 MB	8 MB/6 MB/3 MB
	Chipset	H61	H61
	BIOS	AMI 64Mb SPI Flash	AMI 64Mb SPI Flash
Memory	Technology	Dual Channel DDR3 1066/1333 MHz (Non ECC)	Dual Channel DDR3 1066/1333 MHz (Non ECC)
	Max. Capacity	16 GB (8 GB per DIMM)	16 GB (8 GB per DIMM)
	Socket	204-pin SO-DIMM x 2	204-pin SO-DIMM x 2
Graphics	Chipset Integrated	Integrated Intel HD Graphics	Integrated Intel HD Graphics
PoE	Controller	CH1 ~ CH4: Intel i210	CH1 ~ CH4: μ PD720202
	Compliant	IEEE 802.3af	USB 3.0
	Power Output	15.4W per Channel	4.5W per Channel
Ethernet	Interface	10/100/1000 Mbps	10/100/1000 Mbps
	Controller	LAN1: Intel 82579V, LAN2: Intel 82583V	LAN1: Intel 82579V, LAN2: Intel 82583V
Storage	Internal 2.5" HDD Bay	1 (max. 9.5 mm height)	1 (max. 9.5 mm height)
	CFast	1	1
Front I/O	Display	VGA + DVI-D	VGA + DVI-D
	USB	4 USB3.0	4 USB3.0
	Serial	2 (RS-232, RS-422 or RS-485 via BIOS setting; RS-485 with auto-flow control)	2 (RS-232, RS-422 or RS-485 via BIOS setting; RS-485 with auto-flow control)
	Isolated DIO	Default: 4 isolated DI and 4 isolated DO channels Optional module: 16 isolated DI and 16 isolated DO channels (AIIS-DIO32-00A1E) High-voltage isolation up to 2,500 V _{DC} on all channels Dry/wet contact support Supports 5 ~ 60 V _{DC} isolated input channels High-sink current for isolated output channels (100mA max./Channel) Interrupt handling & Timer/counter capability	Default: 4 isolated DI and 4 isolated DO channels Optional module: 16 isolated DI and 16 isolated DO channels (AIIS-DIO32-00A1E) High-voltage isolation up to 2,500 V _{DC} on all channels Dry/wet contact support Supports 5 ~ 60 V _{DC} isolated input channels High-sink current for isolated output channels (100mA max./Channel) Interrupt handling & Timer/counter capability
Rear I/O	USB	4 USB2.0	4 USB2.0
	Serial	4 RS-232	4 RS-232
Watchdog Timer	Output	System reset	System reset
	Interval	Programmable 1 ~ 255 sec/min	Programmable 1 ~ 255 sec/min
Power Requirement	Power Type	ATX	ATX
	Power Input Voltage	19 V _{DC} ~ 24 V _{DC}	19 V _{DC} ~ 24 V _{DC}
	Minimum Power Input	DC 19-24V @ 8-6.3A	DC 19-24V @ 8-6.3A
	Power Adapter	AC to DC, DC24V/9.16A, 220W (Optional)	AC to DC, DC24V/9.16A, 220W (Optional)
Cooling	System Fan	1 (6cm / 27.7 CFM)	1 (6cm / 27.7 CFM)
Miscellaneous	LED Indicators	Power, HDD, temperature	Power, HDD, temperature
	Control	Power on/off switch	Power on/off switch
Physical Characteristics	Dimension (W x H x D)	232 x 70 x 175 mm (9.06" x 2.76" x 6.89")	232 x 70 x 175 mm (9.06" x 2.76" x 6.89")
	Weight	2.5 kg	2.5 kg

精簡型電腦

無風扇



Model Name		ARK-1120L ARK-1120LX	ARK-1120F	ARK-1122H ARK-1122HS	ARK-1122C	ARK-1122F
Processor System	CPU	Intel Atom N455	Intel Atom N455	Intel Atom N2600	Intel Atom N2600	Intel Atom N2800
	Frequency	1.66 GHz	1.66 GHz	1.6 GHz	1.6 GHz	1.86 GHz
	Core Number	1	1	2	2	2
	BIOS	AMI EFI 16Mbit	AMI EFI 16Mbit	AMI EFI 16Mbit	AMI EFI 16Mbit	AMI EFI 16Mbit
Memory	Chipset	Intel ICH8-M	Intel ICH8-M	Intel NM10	Intel NM10	Intel NM10
	Technology	DDR3 667MHz	DDR3 667MHz	DDR3 800MHz	DDR3 800MHz	DDR3 1066MHz
	Max. Capacity	2 GB	2 GB	4 GB	4 GB	4 GB
	Socket	1 x 204-pin SODIMM/ 2 GB Built-In (LX SKU)	1 x 204-pin SODIMM	1 x 204-pin SODIMM/ 2 GB Built-In (HS SKU)	1 x 204-pin SODIMM	1 x 204-pin SODIMM
Display	VGA	Up to 1600 x 1200	Up to 1600 x 1200	Up to 1920 x 1200	Up to 1920 x 1200	Up to 1920 x 1200
	LCD (TTL/LVDS/eDP)	-	-	-	-	-
	DDI (HDMI/DVI/DisplayPort)	-	-	Lockable HDMI: 1920 x 1200, lockable supported	-	Lockable HDMI: 1920 x 1200, lockable supported
	Multiple Display	-	-	Dual	-	Dual
Expansion Interface	Mini PCIe	1 x half-size Mini PCIe	1 x half-size Mini PCIe	1 x half-size Mini PCIe	1 x half-size Mini PCIe	1 x half-size Mini PCIe 1 x full-size Mini PCIe w/SIM Holder
	SIM Socket	-	-	-	-	1
Ethernet	Controller	GbE1: Intel 82567V, support wake on LAN	GbE1: Intel 82567V, support wake on LAN	GbE1: Intel 82583V, support wake on LAN	GbE1: Intel 82583V, support wake on LAN	GbE1: Intel 82583V, GbE2: Intel 82583V, All support wake on LAN
	Speed	10/ 100/ 1000 Mbps	10/ 100/ 1000 Mbps	10/ 100/ 1000 Mbps	10/ 100/ 1000 Mbps	10/ 100/ 1000 Mbps
Audio	Audio Interface	HD Audio	-	HD Audio	-	HD Audio
	CODEC	Realtek ALC892	-	Realtek ALC892	-	Realtek ALC892
	Connector	2 (Line-in, Line out)	-	2 (Line-in, Line out)	-	2 (Line-in, Line out)
WatchDog Timer		Yes	Yes	Yes	Yes	Yes
Storage	SATA	1 x 2.5" SATA HDD bay 1 x 320 GB SATA II HDD Built-In (LX SKU)	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay 1 x 500 GB SATA II HDD Built-In (HS SKU)	1 x 2.5" SATA HDD bay (Optional by T-PN)	-
	mSATA	-	-	Support 1 x Full Size mSATA	Support 1 x Full Size mSATA	Support 1 x Full Size mSATA
	CompactFlash/CFast	CompactFlash Type I/II	CompactFlash Type I/II	-	-	-
I/O	USB3.0	-	-	-	-	-
	USB2.0	4	2	4	4 (Standard) or 2 (Option 2.5" drive bay version)	3
	GPIO	-	-	-	-	-
	COM Port	2 (2 x RS-232)	2 x RS-232, 2 x RS-232/422/485 (by BIOS setting)	1 (1 x RS-232)	4 (2 x RS-232, 2 x RS-232/422/485, selected by BIOS)	1 (1 x RS-232)
Power	Power Type	ATX	ATX	ATX	ATX	ATX
	Power Supply Voltage	12 Vdc, ± 10%	12 Vdc, ± 10%	12 Vdc, ± 10%	12 Vdc, ± 10%	12 Vdc, ± 10%
	Connector	DC jack with power adaptor locker	DC jack with power adaptor locker	Lockable DC Jack	Lockable DC Jack	Lockable DC Jack
	Power Consumption (Idle)	9.12W	9.12W	6.89W	5.4W	7.84W
	Power Consumption (Full Load)	10.8W	10.8W	11.45W	9.47W	13.15W
	Power Adaptor	AC to DC, DC12 V/3 A, 36 W	AC to DC, DC12 V/3 A, 36 W	Lockable AC to DC, DC12 V/3 A, 36 W	Lockable AC to DC, DC12 V/3 A, 36 W	Lockable AC to DC, DC12 V/3 A, 36 W
Environment	Operating Temperature (air flow 0.7 m/sec)	0 ~ 40° C	0 ~ 40° C	With standard temperature HDD/ SSD/mSATA devices: 0 ~ 40° C With extended temperature SSD/ mSATA devices: -20 ~ 60° C	With standard temperature HDD/ SSD/mSATA devices: 0 ~ 40° C With extended temperature SSD/ mSATA devices: -20 ~ 60° C	With standard temperature mSATA devices: 0 ~ 40° C With extended temperature mSATA devices: -20 ~ 60° C
	Non-operating Temperature	-40~ 85° C and 95% @ 40° C Non-Condensing	-40~ 85° C and 95% @ 40° C Non-Condensing	-40~ 85° C and 95% @ 40° C Non-Condensing	-40~ 85° C and 95% @ 40° C Non-Condensing	-40~ 85° C and 95% @ 40° C Non-Condensing
	Vibration Resistance	With CompactFlash disk: 3Grms	With CompactFlash disk: 3Grms	With SSD/mSATA: 3Grms	With SSD/mSATA: 3Grms	With mSATA: 3Grms
	Shock Protection	With CompactFlash disk: 30G	With CompactFlash disk: 30G	With SSD/mSATA: 30G	With SSD/mSATA: 30G	With mSATA: 30G
Physical Characteristics	Dimensions (W x H x D)	133.8 x 43.1 x 94.2 mm	133.8 x 43.1 x 94.2 mm	133.8 x 43.1 x 94.2 mm	133.8 x 43.1 x 94.2 mm	133.8 x 43.1 x 94.2 mm
	Weight	1.2 kg (2.65 lb)	1.2 kg (2.65 lb)	1.2 kg (2.65 lb)	1.2 kg (2.65 lb)	1.2 kg (2.65 lb)
	Mounting	Optional DIN Rail/ VESA/ Wall mounting	Optional DIN Rail/ VESA/ Wall mounting	Optional DIN Rail/ VESA/ Wall mounting	Optional DIN Rail/ VESA/ Wall mounting	Optional DIN Rail/ VESA/ Wall mounting
Operating System	Microsoft Windows	Yes/ WES2009 Built-In (LX SKU)	Yes	Yes (WES 7 Built-In (HS SKU)	Yes (XP, XPE by project support)	Yes
	Linux	Yes (Ubuntu v10.04.1)	Yes (Ubuntu v10.04.1)	Yes (Ubuntu 12.04, Fedora 16)	Yes (Ubuntu 12.04, Fedora 16)	Yes (Ubuntu 12.04, Fedora 16)
APIs	SUSIAccess	Yes	Yes	Yes	Yes	Yes
	iManager	-	-	-	-	-
Certification	Other	McAfee, Acronis	McAfee, Acronis	McAfee, Acronis	McAfee, Acronis	McAfee, Acronis
	EMC	CE/FCC Class A, CCC, BSMI	CE/FCC Class A, CCC, BSMI	CE/FCC Class A, CCC, BSMI	CE/FCC Class A, CCC, BSMI	CE/FCC Class A, CCC, BSMI
	Safety Certifications	UL, CCC, BSMI, CB	UL, CCC, BSMI, CB	UL, CCC, BSMI, CB	UL, CCC, BSMI, CB	UL, CCC, BSMI, CB



NEW ARK-1123L	NEW ARK-1123C	NEW ARK-1123H	ARK-1503	NEW ARK-1550
Intel® Atom DC E3825	Intel® Atom DC E3825	Intel® Celeron QC J1900	Intel Atom D425/D525	Intel® Celeron 2980U Intel® Core i5 4300U
1.33 GHz	1.33 GHz	2.0 GHz, turbo boost to 2.4GHz 2.0 GHz, burst to 2.4GHz	1.8 GHz	1.6 GHz / 1.9 GHz, turbo boost to 2.9GHz
2	2	4	1/2	2
AMI EFI 64 Mbit	AMI EFI 64 Mbit	AMI EFI 64 Mbit	AMI EFI 16Mbit	AMI EFI 128 Mbit
Intel® Atom DC E3825	Intel® Atom DC E3825	Intel® Celeron QC J1900	Intel ICH8-M	Intel® Celeron 2980U Intel® Core i5 4300U
DDR3L 1066MHz 8GB	DDR3L 1066MHz 8GB	DDR3L 1333MHz 8GB	DDR3 1066/1333MHz 4 GB	DDR3L 1333/1600MHz 8GB
1 x 204-pin SO-DIMM	1 x 204-pin SO-DIMM	1 x 204-pin SO-DIMM	1 x 204-pin SO-DIMM	1 x 204-pin SO-DIMM
Up to 1920 x 1200	Up to 1920 x 1200	-	Up to 2048 x 1536 LVDS: Single channel 24-bit LVDS up to WXGA 1366 x 768 (Integrated in I-Panel Link)	1 (up to 1920 x 1200) LVDS (optional)
-	-	2 x lockable HDMI, up to 1920 x 1080	-	1 x lockable HDMI, up to 4096 x 2304 at 24 Hz
-	-	-	Dual	Dual
1 x Half-size Mini PCIe 1 x Full-size Mini PCIe	1 x Half-size Mini PCIe 1 x Full-size Mini PCIe	1 x Half-size Mini PCIe 1 x Full-size Mini PCIe	1 x full-size Mini PCIe	1 x Half-size Mini PCIe 1 x Full-size Mini PCIe w/ SIM
-	-	-	-	1
GbE 1 : Intel i210 support Wake On LAN	GbE 1 : Intel i210 GbE 2 : Intel i210 All support Wake On LAN	GbE 1 : Intel i210 GbE 2 : Intel i210 All support Wake On LAN	GbE1 : Intel 82567V, GbE2 : Intel 82583V, All support wake on LAN	GbE 1 : Intel i218 GbE 2 : Intel i210 All support Wake On LAN
10/ 100/ 1000 Mbps	10/ 100/ 1000 Mbps	10/ 100/ 1000 Mbps	10/ 100/ 1000 Mbps	10/ 100/ 1000 Mbps
HD Audio	HD Audio	HD Audio	HD Audio	HD Audio
Realtek ACL888S	Realtek ACL888S	Realtek ACL888S	Realtek ALC892	Realtek ALC888S
2 (Line-in, Line out)	2 (Line-in, Line out)	2 (Line-in, Line out)	1 (Line-out)	3 (Line-in, Line-out, Mic-in)
Yes	Yes	Yes	Yes	Yes
1 x 2.5" SATA HDD bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" Hot-swappable SATA drive bay
1 x Half-Size mSATA	1 x Half-Size mSATA	1 x Half-Size mSATA	-	1 x Full-size mSATA
-	-	-	CompactFlash Type I/II	-
1	1	1	-	2
1	2	2	4	2
8-bit Programmable DIO	-	-	8-bit Programmable DIO	8-bit Programmable DIO
2 (1 x RS-232 & 1 x RS-232/422/485)	2 (2 x RS-232/422/485)	1 (1 x RS-232/422/485)	2 (1 x RS232, 1 x RS232/422/485)	3 (1 x RS-232, 2 x RS-232/422/485)
AT/ATX	AT/ATX	AT/ATX	AT/ATX	ATX/AT
12 V _{oc} , ± 10%	12 V _{oc} , ± 10%	12 V _{oc} , ± 10%	12 V _{oc} , ± 10%	12 V _{oc} , ± 10%
Lockable DC Jack	Lockable DC Jack	Lockable DC Jack	DC jack with power adaptor locker	DC jack with power adaptor locker
5.28W	5.28W	5.64W	10.92W (D425) / 11.88W (D525)	10.56W(Core i5)/ 5.64W(Celeron)
10.26W	10.26W	14.04W	13.08W (D425) / 16.44W (D525)	28.2W(Core i5)/ 15.12W(Celeron)
Lockable AC to DC, DC12 V/3 A, 36 W	Lockable AC to DC, DC12 V/3 A, 36 W	Lockable AC to DC, DC12 V/3 A, 36 W	AC to DC, DC 12V/5A 60W (optional)	AC to DC, DC 12V/5A 60W (optional)
With extend temperature peripherals: -30~70° C With standard temperature peripherals: 0 ~ 40° C	With extend temperature peripherals: -30~70° C With standard temperature peripherals: 0 ~ 40° C	With extend temperature peripherals: -20 ~ 60° C With standard temperature peripherals: 0 ~ 40° C	With extended temperature peripherals: -20 ~ 60° C With standard temperature peripherals: 0 ~ 40° C	With extend temperature peripherals: -20 ~ 55° C With standard temperature peripherals: 0 ~ 40° C
-40 ~ 85° C and 40° C @ 95% RH Non-Condensing	-40 ~ 85° C and 40° C @ 95% RH Non-Condensing	-40 ~ 85° C and 40° C @ 95% RH Non-Condensing	-40~ 85° C and 95% @ 40° C Non-Condensing	-40 ~ 85° C and 40° C @ 95% RH Non-Condensing
With mSATA/SSD: 3 Grms	With mSATA/SSD: 3 Grms	With mSATA/SSD: 3 Grms	With Compact Flash/SSD: 5 Grms	With mSATA/SSD: 5 Grms
With mSATA/SSD: 30 G	With mSATA/SSD: 30 G	With mSATA/SSD: 30 G	With Compact Flash/SSD: 50G	With mSATA/SSD: 50G
133.8 x 43.1 x 94.2 mm	133.8 x 43.1 x 94.2 mm	133.8 x 43.1 x 94.2 mm	230.6 x 44.4 x 133.0 mm	223 x 46.6 x 133.0 mm
1.2 kg (2.65 lb)	1.2 kg (2.65 lb)	1.2 kg (2.65 lb)	1.9 kg (4.18 lbs)	1.9 kg (4.18 lbs)
Optional DIN Rail/ VESA/ Wall mounting	Optional DIN Rail/ VESA/ Wall mounting	Optional DIN Rail/ VESA/ Wall mounting	Wall Mounting (Standard) / VESA & DIN-Rail Mounting Kit (Optional)	Wall Mounting (Standard) / VESA & DIN-Rail Mounting Kit (Optional)
Yes (Windows 7, Windows 8)	Yes (Windows 7, Windows 8)	Yes (Windows 7, Windows 8)	Yes (Windows 7, Windows 8)	Yes (Windows 7, Windows 8)
Yes (by Project)	Yes (by Project)	Yes (by Project)	Yes (Ubuntu v10.04.1)	Yes (by Project)
Yes	Yes	Yes	Yes	Yes
-	-	-	-	-
McAfee, Acronis CE/FCC Class A, CCC, BSMI UL, CCC, BSMI, CB	McAfee, Acronis CE/FCC Class A, CCC, BSMI UL, CCC, BSMI, CB	McAfee, Acronis CE/FCC Class A, CCC, BSMI UL, CCC, BSMI, CB	McAfee, Acronis CE/FCC Class A, BSMI, CCC, KCC UL, CCC, BSMI, CB	McAfee, Acronis CE/FCC Class A, CCC, BSMI UL, CCC, BSMI, CB

精簡型電腦

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Model Name		ARK-2120L	ARK-2120F
Processor System	CPU	Intel Atom N2600 / Intel Atom D2550	Intel Atom D2550
	Frequency	1.6 GHz / 1.86 GHz	1.86 GHz
	Core Number	2	2
	BIOS	AMI EFI 16Mbit	AMI EFI 16Mbit
	Chipset	Intel NM10	Intel NM10
Memory	Technology	DDR3 800MHz	DDR3 800MHz
	Max. Capacity	4 GB	4 GB
	Socket	1 x 204-pin SODIMM	1 x 204-pin SODIMM
Display	Graphic Engine	DirectX 9 and OpenGL 3.0 support	DirectX 9 and OpenGL 3.0 support
	VGA	Up to 1920 x 1200	Up to 1920 x 1200
	LCD (TTL/LVDS/eDP)	-	LVDS: Dual channel 48-bit up to 2560 x 1600
	DDI (HDMI/DVI/DisplayPort)	HDMI:1920 x 1200 @ 60Hz	HDMI:1920 x 1200 @ 60Hz
	Multiple Display	Dual	Dual
Expansion Interface	Mini PCIe	1	1
	SIM Socket	1	1
Ethernet	Controller	GbE1: Intel 82583V, GbE2: Intel 82583V, All support wake on LAN	GbE1: Intel 82583V, GbE2: Intel 82583V, GbE3: Intel 82583V, All support wake on LAN
	Speed	10/ 100/ 1000 Mbps	10/ 100/ 1000 Mbps
Audio	Audio Interface	HD Audio	HD Audio
	CODEC	Realtek ALC892	Realtek ALC892
	Connector	1 (Line-in, Line out, Mic-in)	1 (Line-in, Line out, Mic-in)
WatchDog Timer		Yes	Yes
Storage	SATA	1 x 2.5" SATAII HDD bay	1 x 2.5" SATAII HDD bay
	mSATA	-	-
	CompactFlash/ CFast	1 CFast	1 CFast
I/O	USB3.0	-	-
	USB2.0	6	5
	GPIO	8-bit Programmable DIO	8-bit Programmable DIO
	LPT	-	-
	COM Port	4 (3 x RS232, 1 x RS232/ 422/ 485)	6 (2 x RS232, 4 x RS232/ 422/ 485)
Power	Power Type	ATX, AT	ATX, AT
	Power Supply Voltage	12 V _{DC} ± 10%	12 ~ 24 V _{DC}
	Connector	Lockable DC Jack	2-pin phoenix head
	Power Consumption (Idle)	8.9W	9.2W
	Power Consumption (Full Load)	11W	11.59W
Environment	Power Adaptor	Lockable AC to DC, DC12 V/3 A, 36 W (Optional)	Lockable AC to DC, DC19 V/3.42 A, 65 W (Optional)
	Operating Temperature (air flow 0.7 m/sec)	With extend temperature peripherals: -20 ~ 60° C With HDD: 0 ~ 45° C	With extend temperature peripherals: -20 ~ 60° C With HDD: 0 ~ 45° C
	Non-operating Temperature	-40~ 85° C and 40° C @ 95% RH Non-Condensing	-40~ 85° C and 40° C @ 95% RH Non-Condensing
	Vibration Resistance	With SSD: 5 Grms	With SSD: 5 Grms
	Shock Protection	With SSD: 50 G	With SSD: 50 G
Physical Characteristics	Dimensions (W x H x D)	264.5 x 69.2 x 133.0 mm	264.5 x 69.2 x 133.0 mm
	Weight	2.3 kg (5.07 lb)	2.5 kg (5.51 lb)
	Construction	Aluminum/Iron	Aluminum/Iron
Operating System	Mounting	Desk/ Wall/ VESA/ DIN-Rail mounting	Desk/ Wall/ VESA/ DIN-Rail mounting
	Microsoft Windows	Yes (XP, XPE for project support)	Yes (XP, XPE for project support)
	Linux	Yes (Ubuntu 12.04 ,Fedora 16)	Yes (Ubuntu 12.04 ,Fedora 16)
APIs	SUSIAccess	Yes	Yes
	iManager	Yes	Yes
	Other	McAfee, Acronis	McAfee, Acronis
Certification	EMC	CE/FCC Class A, CCC, BSMI	CE/FCC Class A, CCC, BSMI
	Safety Certifications	UL, CB, CCC, BSMI	UL, CB, CCC, BSMI



NEW ARK-2121L	NEW ARK-2121F	ARK-2150L	ARK-2150F
Intel Celeron QC J1900	Intel Celeron QC J1900	3rd Gen [®] Intel Celeron 1047UE / Core i3-3217UE / Core i7-3517UE	3rd Gen [®] Intel Core i7-3517UE
2.0 GHz, turbo boost to 2.4GHz	2.0 GHz, turbo boost to 2.4GHz	1.4GHz / 1.6 GHz/ 1.7 GHz (up to 2.8GHz)	1.7 GHz (up to 2.8GHz)
4	4	2	2
AMI 64Mbit SPI	AMI 64Mbit SPI	AMI EFI 64Mbit	AMI EFI 64Mbit
-	-	Intel QM77	Intel QM77
DDR3L 1333MHz	DDR3L 1333MHz	DDR3 1600MHz, DDR3L 1333 MHz	DDR3 1600MHz, DDR3L 1333 MHz
8GB	8GB	8 GB	8 GB
1 x 204pin SODIMM	1 x 204pin SODIMM	1 x 204-pin SODIMM	1 x 204-pin SODIMM
DirectX 11.1 , OCL 1.2 and OGL 3.2	DirectX 11.1 , OCL 1.2 and OGL 3.2	DirectX11, OpenGL 3.1, and Open CL 11	DirectX11, OpenGL 3.1, and Open CL 11
Up to 2048 x 1152	Up to 2048 x 1152	Up to 2048 x 1536	Up to 2048 x 1536
-	-	-	-
HDMI: 1.4a, 1080P@60Hz	HDMI: 1.4a, 1080P@60Hz optional 2nd HDMI Optional DVI-D	HDMI:1920 x 1200 @ 60Hz	HDMI:1920 x 1200 @ 60Hz DVI-D: 1920 x 1200
Dual	Dual	Dual	Dual
1	1	3	3
1	1	1	1
GbE1: Intel i210 GbE2: Intel i210 All support wake on LAN	GbE1: Intel i210 GbE2: Intel i210 GbE3: Intel i210(optional) GbE4: i210(EMIO-100E, optional) All support wake on LAN	GbE1: Intel 82579LM, GbE2: Intel 82583V, All support wake on LAN	GbE1: Intel 82579LM, GbE 2/ 3/ 4: Intel 82583V All support wake on LAN
10/ 100/ 1000 Mbps	10/ 100/ 1000 Mbps	10/ 100/ 1000 Mbps	10/ 100/ 1000 Mbps
HD Audio	HD Audio	HD Audio	HD Audio
Realtek ALC888S	Realtek ALC888S	Realtek ALC892	Realtek ALC892
1 (Line-in, Line out, Mic-in)	1 (Line-in, Line out, Mic-in)	1 (Line-in, Line out, Mic-in)	1 (Line-in, Line out, Mic-in)
Yes	Yes	Yes	Yes
1 x 2.5" SATAIII HDD bay	1 x 2.5" SATAIII HDD bay	1 x 2.5" SATAIII HDD bay (Max. Data Transfer Rate 600 MB/s)	1 x 2.5" SATAIII HDD bay (Max. Data Transfer Rate 600 MB/s)
1	1	1 (Supports either mSATA or full size miniPCle, selected by BIOS, default support miniPCle)	1 (Supports either mSATA or full size miniPCle, selected by BIOS, default support miniPCle)
-	-	-	-
1	1	2	3
3	5 x external, 1 x internal	4	3
-	8-bit Programmable DIO, with 2.5Kv isolation	8-bit Programmable DIO	4ch digital input and 4ch digital output with 2.5KV isolation
-	-	-	-
2x RS232, 2x RS232/422/485	6 x RS232/422/485	4 (2 x RS232, 2 x RS232/ 422/ 485)	4 (4 x RS232/ 422/ 485)
ATX	ATX	ATX, AT	ATX, AT
9 ~ 36 Vdc	9 ~ 36 Vdc	12 Vdc, ± 10%	12 ~ 24 Vdc
2-pin phoenix head	2-pin phoenix head	Lockable DC Jack	2-pin phoenix head
7.2W	TBD	9.6W	10.3W
13.3W	TBD	24.98W	25.7W
Lockable AC to DC, DC19 V/3.42 A, 65 W (Optional)	Lockable AC to DC, DC19 V/3.42 A, 65 W (Optional)	Lockable AC to DC, DC12 V/5 A, 60 W (Optional)	Lockable AC to DC, DC19 V/3.42 A, 65 W (Optional)
With extend temperature peripherals: -20 ~ 70° C With HDD: 0 ~ 45° C	With extend temperature peripherals: -20 ~ 70° C With HDD: 0 ~ 45° C	With extend temperature peripherals: -20 ~ 60° C With HDD: 0 ~ 45° C	With extend temperature peripherals: -20 ~ 60° C With HDD: 0 ~ 45° C
-40 ~ 85° C and 40° C @ 95% RH Non-Condensing	-40 ~ 85° C and 40° C @ 95% RH Non-Condensing	-40 ~ 85° C and 40° C @ 95% RH Non-Condensing	-40 ~ 85° C and 40° C @ 95% RH Non-Condensing
With SSD: 5 Grms	With SSD: 5 Grms	With SSD: 5 Grms	With SSD: 5 Grms
With SSD: 30 G	With SSD: 30 G	With SSD: 50 G	With SSD: 50 G
264.5 x 68.4 x 133.0 mm	264.5 x 68.4 x 133.0 mm	264.5 x 75.1 x 133.0 mm	264.5 x 75.1 x 133.0 mm
2.3 kg (5.07 lb)	2.5 kg (5.07 lb)	2.3 kg (5.07 lb)	2.8kg (6.17lb)
Aluminum/Iron	Aluminum/Iron	Aluminum/Iron	Aluminum/Iron
Desk/ Wall/ VESA/ DIN-Rail mounting	Desk/ Wall/ VESA/ DIN-Rail mounting	Desk/ Wall/ VESA/ DIN-Rail mounting	Desk/ Wall/ VESA/ DIN-Rail mounting
WIN7, WIN8	WIN7, WIN8	Yes	Yes
Yes (Ubuntu 13.10, fedora 19)	TBD	Yes (Ubuntu v12.04/CentOS 6.6)	Yes (Ubuntu v12.04/CentOS 6.6)
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
McAfee, Acronis	McAfee, Acronis	Intel AMT 8.0, McAfee, Acronis	Intel AMT 8.0, McAfee, Acronis
CE/FCC Class A, CCC, BSMI	CE/FCC Class A, CCC, BSMI	CE/FCC Class A, CCC, BSMI	CE/FCC Class A, CCC, BSMI
UL, CCC, BSMI, CB	UL, CCC, BSMI, CB	UL, CB, CCC, BSMI	UL, CB, CCC, BSMI

精簡型電腦

無風扇



Model Name		ARK-3440 A2	ARK-3500	ARK-3510	ARK-6320	NEW ARK-6322
Processor System	CPU	Intel Core i7 610E/i5 520E/ i3 330E	3rd gen [®] Intel Core i7-3610QE/ i5-3610ME/i3-3120ME/ Celeron 1020E rPGA processor support	3rd gen [®] Intel Core i7-3610QE/ i5-3610ME/i3-3120ME/ Celeron 1020E rPGA processor support	Intel Atom Processor D510/ D525	Intel Celeron QC J1900
	Frequency	2.53GHz/2.4GHz/2.13GHz	2.3 GHz/2.7 GHz/2.4 GHz/2.2 GHz	2.3 GHz/2.7 GHz/2.4 GHz/2.2 GHz	1.66 GHz/1.8 GHz	2.0 GHz, turbo boost up to 2.41 GHz
	Core Number	2	4/2/2/2	4/2/2/2	2	4
	BIOS	AMI SPI 16Mbit	AMI EFI 64Mbit	AMI EFI 64Mbit	AMI 16 Mbit SPI	AMI 16Mbit SPI
	Chipset	Intel QM57	Intel QM77	Intel QM77	ICH8M	-
Memory	Technology	DDR3 1066/1333	DDR3/DDR3L 1600MHz	DDR3/DDR3L 1600MHz	DDR2 667MHz / DDR3 800MHz	DDR3L 1333MHz
	Max. Capacity	8GB	16GB	16GB	2GB / 4GB	8GB
	Socket	2 x 204-pin SODIMM	2 x 204-pin SODIMM	2 x 204-pin SODIMM	1 x 200-pin SODIMM / 2 x 204-pin SODIMM	2 x 204-pin SO-DIMM
Display	VGA	up to 2048 x 1536	VGA integrated in DVI-I port	VGA integrated in DVI-I port	Supports up to SXGA 2048 x 1536 @ 60Hz	Up to 2560 x 1600
	LCD (TTL/LVDS/eDP)	LVDS: 24 bit up to 1920 x 1200 (optional)	-	-	LVDS: Single channel 18-bit and up to WXGA 1366 x 768 (Optional)	-
	DDI (HDMI/DVI/ DisplayPort)	HDMI: HDMI 1.3 up to 2560x 1600p75 DVI-D: up to 1920 x 1200	DVI-I: 1920 x 1200 @ 60 Hz HDMI: HDMI 1.4, 1920 x 1200 @ 60Hz Display port: 2560 x 1600 @ 60Hz (Video only, and only on 3rd gen [®] processor)	DVI-I: 1920 x 1200 @ 60 Hz HDMI: HDMI 1.4, 1920 x 1200 @ 60Hz Display port: 2560 x 1600 @ 60Hz (Video only, and only on 3rd gen [®] processor)	DVI-D: 1600 x 1200	DisplayPort : DP++1.2, resolution up to 2560 x 1600 x 24bpp @ 60Hz
	Multiple Display	Dual	Triple/Dual	Triple/Dual	Dual	Dual
Expansion Interface	PCI Express x 4	1 (optional)	1 slot, ARK-3500F	-	-	-
	PCI Express x 1	1(default)/2(option)/-	1 slot, ARK-3500F	-	-	-
	Mini PCIe	2	2 (share with mSATA), with SIM	2 (share with mSATA), with SIM	-	2 (1x full-size supports mSATA, 1 x half-size)
Ethernet	Controller	GbE1: Intel 82577LM GbE2: Intel 82583V	GbE1: Intel 82579LM GbE2 : Intel I-210IT	GbE1: Intel 82579LM GbE2 : Intel I-210IT	GbE1: Intel 82567V; GbE2: Intel 82583V	GbE1: RTL8111E GbE2: RTL8111E
	Speed	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100/1000 Mbps	10/100/1000 Mbps
Audio	Audio Interface	HD Audio	HD Audio	HD Audio	HD Audio	HD Audio
	CODEC	Realtek ALC888	Realtek ALC892	Realtek ALC892	Realtek ALC892	Realtek ALC892
	Connector	1 (Line-in, Line out, Mic-in)	Line out, Mic in	Line out, Mic in	3 (Mic-In, Line-In, Line-Out)	1 (Line out or Mic-in)
WatchDog Timer		-	Yes	Yes	Yes	Yes
Storage	SATA	2 x 2.5" SATAIII HDD bay	2 x 2.5" SATAIII HDD bay	2 x 2.5" SATAIII HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" or 3.5" SATAIII HDD bay
	CompactFlash/ CFast	1 CompactFlash	1 CFast	1 CFast	1 CompactFlash type I/II socket (on the solder side of the motherboard)	-
	mSATA	-	2 (Share with mini-PCIe)	2 (Share with mini-PCIe)	-	1 (Share with mini-PCIe)
I/O	USB 3.0	-	4	4	-	1
	USB2.0	6	2	2	8	7
	LPT	1 (optional)	-	-	-	-
	COM Port	2 (2 x RS232, 1 x RS232/ 422/ 485)	4 x RS232, 4 x RS232/422/485	2 x RS-232, 2 x RS-232/422/485	5 x RS232, 1 x RS232/422/485	5 x RS-232 1 x RS232/422/485
Power	Power Type	ATX, AT	ATX, AT	ATX, AT	ATX	ATX
	Power Supply Voltage	9 V _{DC} ~ 34 V _{DC}	9 V _{DC} ~ 34 V _{DC}	12 V _{DC} ± 10% (optional 9 ~ 34 V _{DC})	12 V _{DC} ± 10%	12 V _{DC} ± 10%
	Connector	4pin terminal block	4pin terminal block	Lockable DC jack	-	-
	Power Consumption (Idle)	38W	14.8W	14.8W	23W	15.7W
	Power Consumption (Full Load)	53W	60W (w/o add on card)	60W	37W	24.7W
	Power Adaptor	Optional	120W (optional)	Lockable AC to DC, 84W (Optional)	AC to DC, DC12V/5A, 60 W (Optional)	AC to DC, DC12V/5A, 60 W (Optional)
Environment	Operating Temperature (air flow 0.7 m/sec)	With extend temp peripherals: -10 ~ 55° C With HDD: 0 ~ 45° C	With extend temp peripherals: -20 ~ 60° C With HDD: 0 ~ 40° C	With extend temp peripherals: -20 ~ 60° C With HDD: 0 ~ 40° C	0 ~ 40° C (32 ~ 104° F)	With 2.5" HDD : 0~45 ° C With 3.5" HDD : 0~50 ° C With extended temp peripherals: 0~50 ° C
	Non-operating Temperature	-40~ 85° C and 40° C @ 95% RH Non-Condensing	-40~ 85° C and 40° C @ 95% RH Non-Condensing	-40~ 85° C and 40° C @ 95% RH Non-Condensing	-40~ 85° C and 40° C @ 95% RH Non-Condensing	-40~ 85° C and 40° C @ 95% RH Non-Condensing
	Vibration Resistance	With SSD: 5 Grms With HDD: 1 Grms	With SSD: 5 Grms With HDD: 1 Grms	With SSD : 3Grms With HDD : 1 Grms	0.5 Grm	0.5 Grm
	Shock Protection	With SSD: 50 G With HDD: 20 G	With HDD: 20G	With HDD: 20G	20G	10G
Physical Characteristics	Dimensions (W x H x D)	220 x 117 x 200 mm	290 x 110 x 232 mm	290 x 90 x 232 mm	200 x 73 x 200 mm	200 x 64 x 200 mm
	Weight	4kg (8.8lb)	4.8kg (10.56lb)	4.53kg (10lb)	4.14 kg (8.8 lb)	2.0 kg (4.4lb)
	Mounting	Desk/Wallmounting	Desk/Wallmounting	Desk/Wallmounting	Desk (Optional)	VESA/Wall mounting
Operating System	Microsoft Windows	Yes	Yes	Yes	Yes	Yes
	Linux	Yes	Yes	Yes	Yes	Yes
APIs	SUSIAccess	Yes (don't support HW monitor)	Yes	Yes	Yes	Yes
	iManager	-	Yes	Yes	-	-
	Other	McAfee, Acronis	McAfee, Acronis	McAfee, Acronis	McAfee, Acronis	McAfee, Acronis
Certification	EMC	CE, FCC, CCC, BSMI, KC	CE, FCC, CCC, BSMI	CE, FCC, CCC, BSMI	CE/FCC/CCC/BSMI	CE/FCC/CCC/BSMI
	Safety Certifications	UL, CCC, BSMI, KC	UL, CCC, BSMI	UL, CCC, BSMI	UL/CCC/BSMI	UL/CCC/BSMI

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Model Name		NEW ARK-2121S	NEW ARK-2151S	NEW ARK-2121V	NEW ARK-2151V	ARK-VH200
Processor System	CPU	Intel® Atom QC E3845	4th Gen Intel® Core i5 4300U	Intel® Atom DC E3825 Intel® Atom QC E3845	4th Gen Intel® Celeron 2980U 4th Gen Intel® Core i5 4300U	Intel Atom™ D510
	Frequency	1.91 GHz	1.9 GHz	1.33 GHz / 1.91 GHz	1.6 GHz / 1.9 GHz	1.66 GHz
	Core Number	4	2	2 / 4	2	2
	BIOS	AMI EFI 64 Mbit	AMI EFI 128 Mbit	AMI EFI 64 Mbit	AMI EFI 128 Mbit	AMI EFI 16Mbit
Memory	Chipset	Intel® Atom QC E3845	4th Gen Intel® Core i5 4300U	Intel® Atom DC E3825 Intel® Atom QC E3845	4th Gen Intel® Celeron 2980U 4th Gen Intel® Core i5 4300U	Intel™ ICH8-M
	Technology	DDR3L 1333 MHz	DDR3L 1600 MHz	DDR3L 1066/1333 MHz	DDR3L 1333/1600 MHz	DDR2 667MHz
	Max. Capacity	8 GB	8 GB	8GB	8GB	2 GB
Display	Socket	1 x 204-pin SO-DIMM	1 x 204-pin SO-DIMM	1 x 204-pin SO-DIMM	1 x 204-pin SO-DIMM	1 x 200-pin SODIMM
	Graphic Memory	Intel Gen 7 Graphics Engines	GT2-4400 Graphics	Intel Gen 7 Graphics Engines	HD Graphics / GT2-4400 Graphics	-
	VGA	1 (up to 2560 x 1600)	1 (up to 1920 x 1200)	1 (up to 2560 x 1600)	1 (up to 1920 x 1200)	1
	LCD (TTL/LVDS/eDP)	LVDS(Optional)	LVDS(Optional)	LVDS(Optional)	LVDS(Optional)	LVDS
Expansion Interface	DDI (HDMI/DVI/DisplayPort)	1 x lockable HDMI, up to 1080P	1 x lockable HDMI, up to 4K at 24 Hz	1 x lockable HDMI, up to 1080P	1 x lockable HDMI, up to 4K at 24 Hz	-
	Multiple Display	Dual	Dual	Dual	Dual	-
	Mini PCIe	1 x Full-size Mini PCIe (mSATA) 1 x Full-size Mini PCIe (WLAN) 2 x Full-size Mini PCIe w/SIM holders (WWAN)	1 x Half-size Mini PCIe (WLAN) 1 x Full-size Mini PCIe (mSATA) 2 x Full-size Mini PCIe w/SIM holders (WWAN)	1 x Full-size Mini PCIe (mSATA) 1 x Full-size Mini PCIe (WLAN) 2 x Full-size Mini PCIe w/SIM holders (WWAN)	1 x Half-size Mini PCIe (WLAN) 1 x Full-size Mini PCIe (mSATA) 2 x Full-size Mini PCIe w/SIM holders (WWAN)	2 x Full-Size
Ethernet	SIM Socket	2	2	2	2	1
	Controller	GbE 1 : Intel I210-IT GbE 2 : Intel I210-IT All support Wake On LAN	GbE 1 : Intel i218 GbE 2 : Intel I210-IT All support Wake On LAN	GbE 1 : Intel I210-IT GbE 2 : Intel I210-IT All support Wake On LAN	GbE 1 : Intel I218 GbE 2 : Intel I210-IT All support Wake On LAN	GbE1: Intel 82574L, GbE2: Intel 82574L, All support wake on LAN
	Speed	10/ 100/ 1000 Mbps	10/ 100/ 1000 Mbps	10/ 100/ 1000 Mbps	10/ 100/ 1000 Mbps	10/ 100/ 1000 Mbps
Audio	Audio Interface	HD Audio	HD Audio	HD Audio	HD Audio	HD Audio
	CODEC	Realtek ALC888S	Realtek ALC888S	Realtek ALC888S	Realtek ALC888S	Realtek ALC888
	Connector	3 (Line in, Line out, Mic-in)	3 (Line in, Line out, Mic-in)	3 (Line in, Line out, Mic-in)	3 (Line in, Line out, Mic-in)	2 (Line out, Mic-in)
WatchDog Timer	Cellular Voice	-	-	Support WWAN voice function, Line-out, Mic-in	Support WWAN voice function, Line-out, Mic-in	-
	Yes	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes
Storage	SATA	1x 2.5" Hot-swappable drive bay	1x 2.5" Hot-swappable drive bay	1x 2.5" Hot-swappable drive bay	1x 2.5" Hot-swappable drive bay	1 x 2.5" SATA HDD bay
	CompactFlash/ CFast mSATA	-	-	-	-	CompactFlash Type I/II
	USB3.0	1 x Full-size mSATA	1 x Full-size mSATA	1 x Full-size mSATA	1 x Full-size mSATA	-
	USB2.0	1	2	1	2	-
I/O	COM Port	3	2	3	2	4
	GPIO	2 (2 x RS-232/422/485)	2 (2 x RS-232/422/485)	2 (2 x RS-232/422/485)	2 (2 x RS-232/422/485)	2 (2 x RS232, 1 x RS232/ 422/ 485 optional)
	Video Input	6 x DI & 2 x DO	6 x DI & 2 x DO	6 x DI & 2 x DO	6 x DI & 2 x DO	Yes
	Optional COM or CANBus	-	-	2x RS-232/422/485 or 2 x CANbus 2.0 A/B(S3 SKU)	2x RS-232/422/485 or 2 x CANbus 2.0 A/B(S6 SKU)	4CH Video Inputs, BNC
Other	GPS	-	-	On board standalone GPS, support GPS, GLONASS, GALILEO and OZSS signals	On board standalone GPS, support GPS, GLONASS, GALILEO and OZSS signals	On board GPS
	G-Sensor	-	-	Yes	Yes	-
	PoE	4 x 10/100 Mbps - 4ports full-load, IEEE802.3af Class 2 - 2ports full-load, IEEE802.3af Class 3	4 x 10/100 Mbps - 4ports full-load, IEEE802.3af Class 2 - 2ports full-load, IEEE802.3af Class 3	4 x 10/100 Mbps - 4ports full-load, IEEE802.3af Class 2 - 2ports full-load, IEEE802.3af Class 3 (S9 SKU)	4 x 10/100 Mbps - 4ports full-load, IEEE802.3af Class 2 - 2ports full-load, IEEE802.3af Class 3 (S9 SKU)	-
	Power Type	ATX/AT	ATX/AT	ATX/AT	ATX/AT	ATX, AT
Power	Power Supply Voltage	9 ~ 36VDC w/ isolation	9 ~ 36VDC w/ isolation	9~36VDC Ignition management	9~36VDC Ignition management	9 VDC ~ 32 Vdc (for In Vehicle)
	Power Consumption (Idle)	TBD	TBD	TBD	TBD	19W
	Power Consumption (Full Load)	TBD	TBD	TBD	TBD	22W
	Power Adaptor	AC-to-DC Adapter, DC19 Power Plug (Optional)	AC-to-DC Adapter, DC19 Power Plug (Optional)	AC-to-DC Adapter, Phoenix Power Plug (Optional)	AC-to-DC Adapter, Phoenix Power Plug (Optional)	AC to DC, DC19 V/ 3.42 A, 65 W (Optional)
Environment	Operating Temperature (air flow 0.7 m/sec)	With extended temperature SSD/ mSATA/RAM : -30 ~ 60° C With standard temperature HDD/ SSD/mSATA/RAM peripherals: 0 ~ 40° C	With extended temperature SSD/ mSATA/RAM : -20 ~ 60° C With standard temperature HDD/ SSD/mSATA/RAM peripherals: 0 ~ 40° C	With extended temperature SSD/ mSATA/RAM : -30 ~ 60° C(S9 SKU) / -30 ~ 70 (S3 SKU) With standard temperature HDD/ SSD/mSATA/RAM peripherals: 0 ~ 40° C	With extended temperature SSD/ mSATA/RAM : -20 ~ 60° C With standard temperature HDD/ SSD/mSATA/RAM peripherals: 0 ~ 40° C	-20 ~ 60° C (operating humidity: 40° C @ 95% RH Non-Condensing)
	Non-operating Temperature	-40 ~ 85° C and 40° C @ 95% RH Non-Condensing	-40 ~ 85° C and 40° C @ 95% RH Non-Condensing	-40 ~ 85° C and 40° C @ 95% RH Non-Condensing	-40 ~ 85° C and 40° C @ 95% RH Non-Condensing	-40 ~ 85° C and 40° C @ 95% RH Non-Condensing
	Vibration Resistance	With mSATA/SSD : 3 Grms	With mSATA/SSD : 3 Grms	With mSATA/SSD: IEC 60721-3-5 Class 5M3	With mSATA/SSD: IEC 60721-3-5 Class 5M3	With CF/SSD : 5 Grms With HDD : 1 Grms
	Shock protection	With mSATA/SSD: 30 G	With mSATA/SSD: 30 G	With mSATA/SSD: IEC 60721-3-5 Class 5M3	With mSATA/SSD: IEC 60721-3-5 Class 5M3	With CF/SSD : 50 G With HDD : 20 G
Physical Characteristics	Dimensions (W x H x D)	264.5 x 69.2 x 133.0 mm	264.5 x 75.1 x 133.0 mm	264.5 x 69.2 x 133.0 mm	264.5 x 71.1 x 133.0 mm	260 x 77 x 134 mm
	Weight	2.3 kg (5.07 lb)	2.5 kg (4.18 lbs)	2.3 kg (5.07 lb)	2.5 kg (4.18 lbs)	3 kg (6.6 lb)
	Mounting	Wall Mounting (Standard) / VESA & DIN-Rail Mounting Kit (Optional)	Wall Mounting (Standard) / VESA & DIN-Rail Mounting Kit (Optional)	Wall Mounting (Standard) / VESA & DIN-Rail Mounting Kit (Optional)	Wall Mounting (Standard) / VESA & DIN-Rail Mounting Kit (Optional)	Desk/ wall mounting
Operating System	Microsoft Windows	Yes (Windows 7, Windows 8)	Yes (Windows 7, Windows 8)	Yes (Windows 7, Windows 8)	Yes (Windows 7, Windows 8)	Yes
	Linux	Yes (by Project)	Yes (by Project)	Yes (by Project)	Yes (by Project)	Yes (Ubuntu v10.04.1)
APIs	SUSIAccess	Yes	Yes	Yes	Yes	Yes
	iManager	Yes	Yes	Yes	Yes	-
Certification	EMC	CE/FCC Class A, CCC, BSMI	CE/FCC Class A, CCC, BSMI	CE/FCC Class A, CCC, BSMI	CE/FCC Class A, CCC, BSMI	CE, FCC
	Safety Certifications	UL, CCC, BSMI, CB	UL, CCC, BSMI, CB	UL, CCC, BSMI, CB, E13 ISO 7637-2 lev.4	UL, CCC, BSMI, CB, E13 ISO 7637-2 lev.4	UL, CCC, E13
In-Vehicle Power						

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Model Name		ARK-5260	NEW ARK-5261	NEW ARK-5240
Processor System	CPU	Intel Atom D510	Intel® Celeron® Processor J1900 2.0GHz	Intel Core i7-3555LE/Intel i5-3610ME Processor/ Intel Celeron 1020E processor
	Max. Speed	1.66 GHz	2.41 GHz	2.5GHz/2.7 GHz/2.20 GHz
	System Chipset	Intel ICH8-M	-	Intel HM76
	BIOS	AMI 16 Mbit SPI BIOS	AMI 16 Mbit SPI BIOS	AMI SPI 64 Mb
Memory	Technology	Single channel DDR2 667 MHz	Dual Channel DDR3L-1333 (Low power 1.35V)	DDR3 1333/1600, non ECC
	Max. Capacity	2 GB	Build-in 4GB memory, up to 8GB	On-board 4GB memory
	Socket	1 x 200-pin SO-DIMM	2 x 204-pin SO-DIMM	1 x 204-pin SODIMM (up to 8GB per DIMM) Note: SODIMM and HDD Tray has mechanism interferences, only 1 x HDD or 1 x CF can be used when you request to expand memory size
Graphics	Chipset	Embedded Gen3.5+ GFX Core technology, Direct X 9/Pixel Shader 2.0 compliant	Chipset integrated Intel HD Graphic	Intel Integrated Graphics HD4000, support Direct x11
	VRAM	Shared 224 MB	Shared System Memory up to 224 MB SDRAM	-
	Interface	VGA: up to 2048 x 1536	VGA: 2560 x 1600 @ 60Hz	VGA: 2048 x 1536 @ 60Hz HDMI: 1920 x 1200 @ 60Hz
Ethernet	LAN1	10/100/1000 Mbps GigaLAN Controller, Intel 82567V, supports Wake on LAN	10/100/1000 Mbps GigaLAN Controller, Intel I211, supports Wake on LAN	10/100/1000 Mbps GigaLAN Intel I210-AT, 10/100/1000 Mbps support wake on LAN
	LAN2	10/100/1000 Mbps GigaLAN Controller, Intel 82583V, supports Wake on LAN	10/100/1000 Mbps GigaLAN Controller, Intel I211, supports Wake on LAN	10/100/1000 Mbps GigaLAN Intel I210-AT, 10/100/1000 Mbps support wake on LAN
Audio	Interface	Line-in, Line-out, Mic-in	Line-Out, Mic-in	2 (1 x Line-Out, 1 x Mic-in)
IO Interface	Serial Ports	4 x RS-232/422/485 port, support Auto-flow control	Standard Type: 4x RS-232/422/485, COM 1 & COM 2 with 5V/12V power, support Auto-flow control (ARK-5261S-J0A1E) Isolation type: 4x RS-422/485 ports; ESD Protection: 15Kv, Surge production: 2Kv, Electrical Isolation: 2Kv (ARK-5261I-J0A1E)	2 x DB9, RS232/422/485 with automatic flow control
	USB Interface	5 x USB ports, USB 2.0 compliant	1 x USB 3.0, 4 x USB 2.0, 1 internal type A USB 2.0	2 x USB3.0 + 3x USB 2.0
	Keyboard/Mouse	1 x PS/2 port, supports PS/2 mouse and keyboard	1 x PS/2 port, supports PS/2 mouse and keyboard	-
	Parallel Port	Supports D-sub 25-pin connector	Supports D-sub 25-pin connector	Supports D-sub 25-pin connector (Option; expanded by Cable)
	Digital I/O	Supports 8-bit digital IO	Supports 8-bit digital IO (DB9 Connector)	Supports 8-bit digital IO (DB9 Connector)
Other	Watchdog timer	255-level timer interval, setup by software	255-level timer interval, setup by software	255-level timer interval, setup by software
	COM LED	4 COM LED lighting	-	-
Storage	HDD	Supports two drive bays space for SATA 2.5" HDD (9.5 mm height only)	Supports two drive bays space for SATA HDD/SSD 2.5 (9.5mm height only)	Support 1 x 2.5"HDD + CF module (Optional function)
	SSD	Supports one internal CompactFlash socket for type I/II CompactFlash disk	-	-
	mSATA	-	Support one mSATA storage and shard with SATA 2	1 x internal mSATA (Mini-PCIE interface)
Expansion	PCI/PCle Slot	2 PCI Slot, and 1 PCIe x1 Slot Supports maximum 15W power for expansion Supports maximum dimension of 99 mm (width) x 186 mm (length) for expansion PC board	2 PCI Slot, and 1 PCIe x1 Slot (ARK-5261S-J0A1E & ARK-5261I-J0A1E) 3 PCI Slot, and 1 Mini-PCle Socket (Full Size) (ARK-5261P-J0A1E) Supports maximum 15W power for expansion Supports maximum dimension of 99 mm (width) x 186 mm (length) for expansion PC board	1 x PCIe x4, 1 x PCI32 33Mhz Slot, 1 x Internal Mini-PCle (Full-Size)
Software Support	Microsoft Windows	Windows 7, XP Embedded, WinCE 6.0	Windows 7/8.1, Win7/8.1 Embedded, Linux Fedora 19	Window XP/7, Win XP/7 Embedded, Linux Fedora 19
Power Requirement	Power Type	ATX	ATX / AT	ATX/AT
	Power Input Voltage	12 ~ 24 V _{DC}	9 ~ 30 V _{DC}	9 ~ 36 V _{DC}
	Minimum Power Input	12 V @ 5 A ~ 24 V @ 2.5 A	9V @ 6.6A ~ 30V @ 2A	9 @ 7.2 A ~ 36V @ 1.8 A
	Power Adapter	AC-to-DC, 65 W DC19 V/3.4 A	AC-to-DC, 65 W DC19 V/3.4 A	AC-to-DC, 65 W DC19 V/3.4 A
Power Consumption	Typical	20 W (with Intel Atom D510 1.66 GHz and w/o expansion)	9.9 W (with Intel® Celeron® Processor J1900 2.0GHz and with Memory & SATA HDD)	-
	Max.	23 W (with Intel Atom D510 1.66 GHz and w/o expansion)	12.9 W (with Intel® Celeron® Processor J1900 2.0GHz and with Memory & SATA HDD)	-
Mechanical	Construction	Aluminum housing	Aluminum housing	Aluminum housing
	Mounting	Desk/wall-mounting	Desk/wall-mounting	Desktop/Wall-mounting
	Dimensions (W x H x D)	137 x 189 x 221 mm (5.39" x 7.44" x 8.70")	137 x 189 x 221 mm (5.39" x 7.44" x 8.70")	253 x 129 x 240 mm
	Weight	4.2 kg (9.24 lbs)	4.2 kg (9.24 lbs)	4.9 kg (10.8lbs)

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Model Name		SYS-4W5122-4S01	SYS-6W6606-4F01	SYS-6W6608-4F01	SYS-6W6806-4H01
Processor System	CPU	Xeon E3-1275 v3/Xeon E3-1225 v3/ Xeon E3-1268 v3/Core i7-4770S/Core i5-4570TE/Core i3-4330	Intel Core 2 Quad/Intel Core 2 Duo/ Intel Pentium/Intel Celeron	i7-4770S/i7-4770TE/i5-4570S/ i5-4570TE/i3-4330/i3-4330TE/ G3420/G3320TE	Intel Atom D525
	Cores	4/4/4/4/2/2	-	-	-
	Speed (GHz)	3.5/3.2/2.3/3.1/2.7/3.5	Q9650 3.0 GHz/E8500 3.16 GHz/ E6500 2.93 GHz/E1500 2.2 GHz	3.1GHz/2.3GHz/2.9GHz/2.7GHz/ 3.5GHz/2.4GHz/3.2GHz/2.3GHz	1.8 GHz
	L3 Cache	8 MB/8 MB/8 MB/8 MB/4 MB/3 MB	12 MB/6 M/8 M/512 KB	8MB/8MB/6MB/4MB/4MB/3MB/ 3MB/3MB	1 MB
	Socket	LGA 1150	-	-	-
	Chipset	Intel C226 chipset	Intel G41 + ICH7/ICH7R (only for G2 SKU)	Intel H81	Intel ICH8M
Memory	BIOS	AMI 128 Mbit SPI (UEFI)	AMI 16 Mb SPI Flash	AMI 128Mbit SPI Flash	AMI 16Mb SPI Flash
	Technology	Dual Channel DDR3 Unbuffered ECC/ Non-ECC 1066/1333/1600 MHz	Dual-channel DDR3 800/1066 MHz DIMMs	Dual channel (Non-ECC) DDR3 1333/1600	Single channel DDR2 667/800 MHz
	Max. Capacity	32 GB	8 GB	16 GB (8 GB per DIMM)	max 2 GB SODIMM
	Socket	4 x 240-pin DIMM	240-pin DIMM x 2	DDR3 240-pin DIMM x 2	200-pin DIMM x 1
Graphics	Memory size	1 GB, 2 GB, 4 GB, 8 GB	-	-	-
	Controller	Intel HD Graphics	Intel Graphics Media Accelerator X4500	Chipset integrated Intel HD Graphics	-
Expansion Slots	VRAM	1 GB maximum shared memory with 2 GB and above system memory installed	15-Pin VGA D-sub Connector x1/DVI connector x1 (optional)	-	Shared 224 MB
	PCI 32-bit/ 33 MHz	1 slots	3	6	6
	PCIe x 4 (Gen2) 2.0 GB/s	1 slots	2	1	-
Storage	PCIe x8 (Gen3) 8 GB/s	2 slots (x16 slot with x8 link)	-	-	-
	Slim Optical Drive	1 (Front-accessible)	1	2	-
Front I/O Interface	3.5"	1 (Front-accessible)/1 (Internal)	2 (1 front-accessible, 1 internal)	1	2 (1 Front-accessible, 1 Internal)
	USB	2	2	2	2
Rear I/O Interface	External serial port	-	2 RS-232 on board pin-headers, plus four ports of RS-485 with auto-flow control by module (optional, Advantech P/N: PCA-COM485-00A1E)	-	Two RS-232 onboard pin-headers, plus four ports of RS-485 with auto-flow control by module (optional, Advantech P/N: PCA-COM485-00A1E)
	External USB port	4 (2 USB 3.0 and 2 USB 2.0)	6 ports by pin header/ 1 port on bracket I/O	1	8 ports on the SHB
	VGA port	1	-	1	-
	DVI	1	-	-	-
	Display Port	2	-	-	-
	RJ-45	2	-	-	-
	PS/2 KB/mouse	-	1 (for mouse and keyboard, Y cable is included in the package)	1 (PS/2 Y cable supports 1 x keyboard and 1 x mouse)	1 (for mouse and keyboard, a Y cable is included in the package)
Watchdog Timer	Audio	2 (Mic-in, Line-out)	-	-	-
	Output	System reset	System reset	System reset	Interrupt, system reset
Power Supply	Interval	Programmable 1 ~ 255 sec	Programmable, 1~255 sec/min	Programmable 1-255 sec	Programmable, 1~255 sec/min
	Output Rating	400W	300W	350W Mini-RPS	250W
Cooling	Input Voltage	AC 100 ~ 240 V (full range)	100 ~ 240 VAC	100 ~ 240 V _{AC}	AC 100 ~ 240 V (full range)
	Fan	1 (12 cm / 85 CFM)	1 (9 cm / 53 CFM)	1 (12 cm / 85 CFM)	1 (9cm / 53 CFM)
Miscellaneous	Air Filter	Yes	Yes	Yes	Yes
	LED Indicators	Power, HDD, fan and temperature	Power and HDD	Power and HDD	Power and HDD
	Control	Power switch, alarm reset and system reset buttons	Power switch and reset button	Power switch and reset button	Power switch and system reset button
Physical Characteristics	Rear Panel	Six 9-pin D-Sub openings	-	-	-
	Dimensions (W x H x D)	157 x 360 x 340 mm (6.2" x 14.2" x 13.4")	173 x 254 x 396 mm (6.8" x 10" x 15.6")	173 x 315 x 410 mm (6.8" x 12.4" x 16.1")	166 x 170 x 393 mm (6.5" x 6.7" x 15.4")
	Weight	6.5 kg (14.3 lb)	9 kg (19.8 lb)	11 kg (24.2 lb)	6.3 kg (13.9 lb)

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Model Name		SYS-7W130-4A01	SYS-7W132-4A01	SYS-7W7220-4A03	SYS-8W6608-4F01
Processor System	CPU	i7-4770S/i7-4770TE/i5-4570S/i5-4570TE/i3-4330/i3-4330TE/G3420/G3420T	Core i7 3xxx/Core i5 3xxx/Core i3 3xxx/Pentium G8xx	Core i7 2xxx/Core i5 2xxx/Core i3 2xxx/Pentium G8xx	i7-4770S/i7-4770TE/i5-4570S/i5-4570TE/i3-4330/i3-4330TE/G3420/G3320TE
	Speed	3.1 GHz/2.3 GHz/2.9 GHz/2.7 GHz/3.5 GHz/2.4 GHz/3.2 GHz/2.7 GHz	3.4 GHz/3.4/3.3 GHz/3.4 GHz/2.9 GHz	3.4 GHz/3.3 GHz/3.3 GHz/ 2.9 GHz	3.1GHz/2.3GHz/2.9GHz/2.7GHz/3.5GHz/2.4GHz/3.2GHz/2.3GHz
	L3 Cache	8 MB/8 MB/6 MB/4 MB/3 MB/3 MB/3 MB/3 MB	8 MB/6 MB/3 MB/3 MB	8MB/6MB/3MB/3MB	8MB/8MB/6MB/4MB/4MB/3MB/3MB/3MB
	Socket	LGA1150	LGA1155	LGA1155	-
	Chipset	Q87	H61	Q67 for QG2 version; B65 for QVG version	Intel H81
	BIOS	AMI 128 Mbit SPI	AMI 64 Mbit SPI	AMI 64 Mbit SPI	AMI 128Mbit SPI Flash
Memory	Technology	Dual Channel DDR3 1333/1600	Dual Channel DDR3 1066/1333/1600 (1600 is only supported by Core i7/i5/i3 3xxx series processors)	Dual Channel DDR3 1066/1333	Dual channel (Non-ECC) DDR3 1333/1600
	Max. Capacity	32 GB	16 GB	32 GB	16 GB (8 GB per DIMM)
	Socket	4 x 240-pin DIMM	2 x 240-pin DIMM	4 x 240-pin DIMM	DDR3 240-pin DIMM x 2
Graphics	Controller	Intel HD Graphics (Depends on processor)	Intel HD Graphics	Intel HD Graphics	Chipset integrated Intel HD Graphics
Expansion Slot	PCI Express x 16 (Gen 3)	1	1	1	-
	PCI Express x 4 (Gen 2)	1	-	1	-
	PCI Express x 1 (Gen 2)	1	1	1	-
	PCI	4	5	4	6
Ethernet	Interface	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps
	Controller	GbE LAN1: Intel I217LM, GbE LAN2: Intel I211AT	GbE LAN1: Intel 82579V, GbE LAN2: Intel 82583V	LAN 1: Intel 82579LM, LAN 2: Intel 82583V	LAN 1: Intel 1217V, LAN 2: Intel 1211
Storage	3.5"	2 SAS / SATA HDDs (mobile trays also compatible with 2.5" HDD/SSD) (Front-accessible)/1 (Internal)	1 (Front-accessible)/2 (Internal)	2 (1Front-accessible, 1 Internal)	1
	5.25"	1 (Front-accessible)	1 (Front-accessible)	2 (Front-accessible)	2
Front I/O Interface	USB	2	2	2	2
Rear I/O Interface	VGA	1	1	-	1
	DVI	2	1	-	-
	Ethernet	2	2	-	2
	USB	4 (Two USB 3.0)	4	-	1
	Audio	2 (Mic-in, Line-out)	2 (Mic-in, Line-out)	-	-
	Serial	1 (RS-232)	2 (RS-232)	-	-
	PS/2	2 (1 x keyboard and 1 x mouse)	2 (1 x keyboard and 1 x mouse)	-	1 (PS/2 Y cable supports 1 x keyboard and 1 x mouse)
Watchdog Timer	Output	System reset	System reset	-	System reset
	Interval	Programmable 1 ~ 255 sec	Programmable 1 ~ 255 sec	-	Programmable 1-255 sec
Power Supply	Output Rating	300W	300W	300W	300W
	Input Voltage	100 ~ 240 V _{AC}	100 ~ 240 V _{AC}	-	100 ~ 240 V _{AC}
Cooling	Fan	1 (12 cm/73.8 CFM) + 1 (6 cm/21.2 CFM)	1 (12 cm/85 CFM)	-	1 (12 cm / 85 CFM)
	Air Filters	Yes	Yes	-	Yes
Miscellaneous	LED Indicators	Power, fan, temperature, HDD	Power, HDD	Power, HDD, temperature and fan	Power and HDD
	Front Panel	Power, HDD, Temp, Fan	4x USB, 2x DB-9, 1x LPT port	Reserved Two 9-pin D-Sub openings, one LPT opening	Power switch and reset button
Physical Characteristics	Dimensions (W x H x D)	200 x 320 x 480 mm (7.9" x 12.6" x 18.9")	200 x 330 x 430 mm (7.9" x 13" x 16.9")	200 x 320 x 480 mm (7.9" x 12.6" x 18.9")	173 x 315 x 410 mm (6.8" x 12.4" x 16.1")
	Weight		9.96 kg (21.93 lb)	14 kg (30.8 lb)	11 kg (24.2 lb)

機架式



Model Name		SYS-2U2000-4F01	SYS-2U2320-4A02	SYS-2U2320-4A03
Processor System	CPU	Core i7-3770/Core i5-3550S/Core i3-3220/Pentium G2120/Pentium G850/Celeron G540	i7-4770S/i7-4770TE/i5-4570S/i5-4570TE/i3-4330/i3-4330TE/G3420/G3420T	Core i7 3xxx/Core i5 3xxx/Core i3 3xxx/Pentium G8xx
	Base Frequency	3.4 GHz/3.0 GHz/3.3 GHz/3.1 GHz/2.9 GHz/2.5 GHz	3.1 GHz/2.3 GHz/2.9 GHz/2.7 GHz/3.5 GHz/2.4 GHz/3.2 GHz/2.7 GHz	3.4 GHz/3.4/3.3 GHz/3.4 GHz/2.9 GHz
	L3 Cache	8 MB/6 MB/3 MB/3 MB/2 MB	8 MB/8 MB/6 MB/4 MB/3 MB/3 MB/3 MB	8 MB/6 MB/3 MB/3 MB
	SKU/Chipset	Intel Q77	Q87	H61
	BIOS	AMI 64Mbit SPI Flash	AMI 128 Mbit SPI	AMI 64 Mbit SPI
Memory	Technology	Dual channel (Non-ECC) DDR3 1333/1600	Dual Channel DDR3 1333/1600	Dual Channel DDR3 1066/1333/1600 (1600 is only supported by Core i7/i5/i3 3xxx series processors)
	Max. Cap.	16 GB (8 GB per DIMM)	32 GB	16 GB
	Socket	DDR3 240-pin DIMM x 2	4 x 240-pin DIMM	2 x 240-pin DIMM
Graphics	Controller	Chipset integrated Intel HD Graphics	Intel HD Graphics (Depends on processor)	Intel HD Graphics
	Video Output	15 Pin VGA D-sub Connector x1/DVI-D connector x1 (Pin Header)	-	-
Expansion Slot	PCI Express x 16	1	1	1
	PCI	4	2	2
Ethernet	Interface	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps
	Controller	LAN 1: Intel 82579LM LAN 2: Intel 82583V	GbE LAN1: Intel I217LM, GbE LAN2: Intel I211AT	GbE LAN1: Intel 82579V, GbE LAN2: Intel 82583V
	Connector with LED	RJ45 x 2	-	-
Storage	3.5" HDD Bay	2 Front-accessible	1 / 2 SAS/SATA HDD (mobile trays compatible with 2.5" HDD/SSD) (Front-accessible)/2 (Internal)	2 (SAS/SATA HDD) (Front-accessible)/2 (Internal)
	Slim Optical Disk Drive	1 Front-accessible	1 (Front-accessible)	1 (Front-accessible)
Front I/O Interface	USB	2	2	2
	PS/2	1	1	1
Rear I/O Interface	USB	Nine USB2.0 (Pin-header*4+USB Type A*1+ 4 on backplane); Three USB3.0 (Pin-Header*2+Rear*1)	4 (Two USB 3.0)	4
	Serial	2 x RS-232 Pin-Header	1 (RS-232)	2 (RS-232)
	Parallel	1 (SPP/EPP/ECP)	-	-
	PS/2	1 (Y cable for mouse and keyboard is included in the package)	2 (1 x keyboard and 1 x mouse)	2 (1 x keyboard and 1 x mouse)
Watchdog Timer	Output	System reset	System reset	System reset
	Interval	Programmable 1-255 sec	Programmable 1 ~ 255 sec	Programmable 1 ~ 255 sec
Power Supply	Output Rating	300W	300W	300W
	Input Voltage	100 ~ 240 V _{AC}	100 ~ 240 V _{AC}	100 ~ 240 V _{AC}
Cooling	Fan	2 (8 cm / 47 CFM each) / 2 (8 cm / 40 CFM each)	2 (8 cm / 47 CFM each) / 2 (8 cm / 47 CFM each) + 1 (6 cm / 28 CFM) for SAS/SATA storage unit	2 (8 cm / 47 CFM each) / 2 (8 cm / 47 CFM each) + 1 (6 cm / 28 CFM) for SAS/SATA storage unit
	Air Filter	Yes	Yes	Yes
Miscellaneous	LED Indicators	Power and HDD activity; fan and temperature for ACP-2000 only	Power, HDD, temperature, fan	Power, HDD, temperature, fan
	Rear Panel	One 9-pin D-Sub opening	Two 9-pin D-Sub openings	Two 9-pin D-Sub openings
Physical Characteristics	Dimensions (W x H x D)	482 x 88 x 451 mm (19" x 3.5" x 17.8")	482 x 88 x 480 mm (19" x 3.46" x 18.9")	482 x 88 x 480 mm (19" x 3.46" x 18.9")
	Weight	11.5 kg (25.3 lb) / 11.3 kg (24.9 lb)	11.7 kg (25.7 lb)	10.7 kg (23.5 lb) / 11.7 kg (25.7 lb)

機架式



Model Name		SYS-4U510-4A03	SYS-4U4000-4A04
Processor System	CPU	Core i7 3xxx/Core i5 3xxx/Core i3 3xxx/Pentium G8xx	i7-4770S/i7-4770TE/i5-4570S/i5-4570TE/i3-4330/i3-4330TE/G3420/G3420T
	Speed	3.4 GHz/3.4/3.3 GHz/3.4 GHz/2.9 GHz	3.1 GHz/2.3 GHz/2.9 GHz/2.7 GHz/3.5 GHz/2.4 GHz/3.2 GHz/2.7 GHz
	L3 Cache	8 MB/6 MB/3 MB/3 MB	8 MB/8 MB/6 MB/4 MB/3 MB/3 MB/3 MB
	Socket	LGA1155	LGA1150
	Chipset	H61	Q87
	BIOS	AMI 64 Mbit SPI	AMI 128 Mbit SPI
Memory	Technology	Dual Channel DDR3 1066/1333/1600 (1600 is only supported by Core i7/i5/i3 3xxx series processors)	Dual Channel DDR3 1333/1600
	Max. Capacity	16 GB	32 GB
	Socket	2 x 240-pin DIMM	4 x 240-pin DIMM
Graphics	Controller	Intel HD Graphics	Intel HD Graphics (Depends on processor)
Expansion Slot	PCI Express x 16	1	1
	PCI Express x 4 (Gen2)	-	1
	PCI Express x 1 (Gen2)	1	1
	PCI	5	4
Ethernet	Interface	10/100/1000 Mbps	10/100/1000 Mbps
	Controller	GbE LAN1: Intel 82579V, GbE LAN2: Intel 82583V	GbE LAN1: Intel I217LM, GbE LAN2: Intel I211AT
Storage	Slim Optical Drive Bay	3 (Front-accessible)	3 Front-accessible
	2.5" or 3.5"	1 (Front-accessible)/1 (Internal)	1 Front-accessible
Front I/O Interface	USB	2	2
Rear I/O Interface	VGA	1	1
	DVI	1	2
	Ethernet	2	2
	USB	4	4 (Two USB 3.0)
	Audio	2 (Mic-in, Line-out)	2 (Mic-in, Line-out)
	Serial	2 (RS-232)	1 (RS-232)
	PS/2	2 (1 x keyboard and 1 x mouse)	2 (1 x keyboard and 1 x mouse)
	Watchdog Timer	Output: System reset Interval: Programmable 1 ~ 255 sec	Output: System reset Interval: Programmable 1 ~ 255 sec
Power Supply	Output Rating	300W	300W
	Input Voltage	100 ~ 240 V _{AC}	100 ~ 240 V _{AC}
Cooling	Fan	1 (12 cm / 77 CFM)	2 (12 cm / 85 CFM each)
	Air Filter	Yes	Yes
Miscellaneous	Remote Management	-	Remote monitoring: temperature, fan speed, HD status, voltage Active control: schedule on/off, remote KVM Complete protection: system recovery (Acronis), system protection (McAfee)
	LED Indicators	Power and HDD activity	Power, HDD, temperature, fan, and power voltage status
	Rear Panel	One 9-pin D-Sub and one 68-pin SCSI openings	Five 9-pin D-Sub & one 68-pin SCSI openings
Physical Characteristics	Dimensions (W x H x D)	486 x 177 x 446 mm (19" x 7" x 17.6")	482 x 177 x 479 mm (19" x 7" x 18.9")
	Weight	10.7 kg (23.5 lb)	15.2 kg (33.5 lb)



SYS-4U4000-4A05	SYS-4U4000-4F02	SYS-4U4000-4F03	SYS-4U4000-4F04
Core i7 3xxx/Core i5 3xxx/Core i3 3xxx/ Pentium G8xx	Core i7-3770/Core i5-3550S/Core i3-3220/ Pentium G2120/Pentium G850/Celeron G540	i7-4770S/i7-4770TE/i5-4570S/i5-4570TE/ i3-4330/i3-4330TE/G3420/G3320TE	Intel Core 2 Quad/Intel Core 2 Duo/Intel Pentium/ Intel Celeron
3.4 GHz/3.4/3.3 GHz/3.4 GHz/2.9 GHz	3.4 GHz/3.0 GHz/3.3 GHz/3.1 GHz/2.9 GHz/ 2.5 GHz	3.1GHz/2.3GHz/2.9GHz/2.7GHz/3.5GHz/2.4GHz/ 3.2GHz/2.3GHz	Q9650 3.0 GHz/E8500 3.16 GHz/ E6500 2.93 GHz/E1500 2.2 GHz
8 MB/6 MB/3 MB/3 MB	8 MB/6 MB/3 MB/3 MB/2 MB	8MB/8MB/6MB/4MB/3MB/3MB/3MB	12 MB/6 MB/8 MB/512 KB
LGA1155	-	-	-
H61	Intel Q77	Intel H81	Intel G41 + ICH7/ICH7R
AMI 64 Mbit SPI	AMI 64Mbit SPI Flash	AMI 128Mbit SPI Flash	AMI 16 Mb SPI Flash
Dual Channel DDR3 1066/1333/1600 (1600 is only supported by Core i7/i5/i3 3xxx series processors)	Dual channel (Non-ECC) DDR3 1333/1600	Dual channel (Non-ECC) DDR3 1333/1600	Dual-channel DDR3 800/1066 MHz DIMMs
16 GB	16 GB (8 GB per DIMM)	16 GB (8 GB per DIMM)	8 GB
2 x 240-pin DIMM	DDR3 240-pin DIMM x 2	DDR3 240-pin DIMM x 2	240-pin DIMM x 2
Intel HD Graphics	Chipset integrated Intel HD Graphics	Chipset integrated Intel HD Graphics	Intel Graphics Media Accelerator X4500
1	1	-	-
-	-	-	-
1	3	-	-
5	8	12	6
10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps
GbE LAN1: Intel 82579V, GbE LAN2: Intel 82583V	LAN 1: Intel 82579LM LAN 2: Intel 82583V	LAN 1: Intel I217V LAN 2: Intel I211	Intel 82583 V
3 Front-accessible	3 Front-accessible	3 Front-accessible	3 Front-accessible
1 Front-accessible	1 Front-accessible	1 Front-accessible	1 Front-accessible
2	2	2	2
1	-	1	-
1	-	2	-
2	-	-	-
4	Nine USB2.0 (Pin-header*4+USB Type A*1+ 4 on backplane); Three USB3.0 (Pin-Header*2+Rear*1)	1	6 ports by pin header/1 port on bracket I/O
2 (Mic-in, Line-out)	-	-	-
2 (RS-232)	2 x RS-232 Pin-Header	-	2 RS-232 on board pin-headers, plus for ports of RS-485 with auto-flow control by module (optional, Advantech P/N: PCA-COM485-00A1E)
2 (1 x keyboard and 1 x mouse)	1 (Y cable for mouse and keyboard is included in the package)	1 (PS/2 Y cable supports 1 x keyboard and 1 x mouse)	1 (for mouse and keyboard, Y cable is included in the package)
System reset	System reset	System reset	System reset
Programmable 1 ~ 255 sec	Programmable 1-255 sec	Programmable 1-255 sec	Programmable, 1~255 sec/min
300W	300W	300W	300W
100 ~ 240 V _{AC}	100 ~ 240 V _{AC}	100 ~ 240 V _{AC}	100 ~ 240 V _{AC}
2 (12 cm / 85 CFM each)	2 (12 cm / 85 CFM each)	2 (12 cm / 85 CFM each)	-
Yes	Yes	Yes	-
Remote monitoring: temperature, fan speed, HD status, voltage Active control: schedule on/off, remote KVM Complete protection: system recovery (Acronis), system protection (McAfee)	Remote monitoring: temperature, fan speed, HD status, voltage Active control: schedule on/off, remote KVM Complete protection: system recovery (Acronis), system protection (McAfee)	Remote monitoring: temperature, fan speed, HD status, voltage Active control: schedule on/off, remote KVM Complete protection: system recovery (Acronis), system protection (McAfee)	Remote monitoring: temperature, fan speed, HD status, voltage Active control: schedule on/off, remote KVM Complete protection: system recovery (Acronis), system protection (McAfee)
Power, HDD, temperature, fan, and power voltage status	Power, HDD, temperature, fan, and power voltage status	Power, HDD, temperature, fan, and power voltage status	Power, HDD, temperature, fan, and power voltage status
Five 9-pin D-Sub & one 68-pin SCSI openings	One 9-pin D-Sub opening	One 9-pin D-Sub opening	One 9-pin D-Sub opening
482 x 177 x 479 mm (19" x 7" x 18.9")	482 x 177 x 479 mm (19" x 7" x 18.9")	482 x 177 x 479 mm (19" x 7" x 18.9")	482 x 177 x 479 mm (19" x 7" x 18.9")
15.2 kg (33.5 lb)	15.2 kg (33.5 lb)	15.2 kg (33.5 lb)	15.2 kg (33.5 lb)

機架式



Model Name		SYS-4U4020-4H01	SYS-4U4340-4A01	SYS-4U4340-4F01
Processor System	CPU	i7-4770S/i7-4770TE/i5-4570S/i5-4570TE/i3-4330/i3-4330TE/G3420/G3220TE/G1820/G1820TE	i7-4770S/i7-4770TE/i5-4570S/i5-4570TE/i3-4330/i3-4330TE/G3420/G3420T	i7-4770S/i7-4770TE/i5-4570S/i5-4570TE/i3-4330/i3-4330TE/G4320/G4320TE
	Base Frequency	3.1GHz/2.3GHz/2.9GHz/2.7GHz/3.5GHz/2.4GHz/3.2GHz/2.3GHz/2.7GHz/2.2GHz	3.1GHz/2.3GHz/2.9GHz/2.7GHz/3.5GHz/2.4GHz/3.2GHz/2.7GHz	3.1GHz/2.3GHz/2.9GHz/2.7GHz/3.5GHz/2.4GHz/3.2GHz/2.3GHz
	L3 Cache	8MB/8MB/6MB/4MB/4MB/4MB/3MB/3MB/2MB/2MB	8MB/8MB/6MB/4MB/4MB/3MB/3MB/3MB/3MB	8MB/8MB/6MB/4MB/3MB/3MB/3MB/3MB
	SKU/Chipset	Intel H81	Q87	Intel Q87
	BIOS	AMI 128Mbit SPI Flash	AMI 128Mbit SPI	AMI 128Mbit SPI Flash
Memory	Technology	Dual channel (Non-ECC) DDR3 1333/1600	Dual Channel DDR3 1333/1600	Dual channel (Non-ECC) DDR3 1333/1600
	Max. Cap.	16GB (8GB per DIMM)	32GB	16GB (8GB per DIMM)
	Socket	DDR3 204-pin SO-DIMM x2	4 x 240-pin DIMM	DDR3 240-pin DIMM x2
Graphics	Controller	Chipset integrated Intel GT2 4600 or GT1 HD graphics (Depends on CPU support)	Intel HD Graphics (Depends on processor)	Chipset integrated Intel HD Graphics
	VRAM	Shared system memory is subject to OS	-	Shared system memory is subject to OS
	CRT	Supports resolution up to 1920 x 1200 pixel at 60Hz	-	Supports resolution up to 2048 x 1536 pixel at 60MHz
	DVI-D	Supports resolution up to 1920 x 1200 pixel at 60Hz	-	Supports resolution up to 1920 x 1200 pixel at 60MHz
	Dual Independent Display	VGA+DVI-D	-	CRT+DVI-D+ DVI-D
Expansion Slot	PCI Express x 16	1	1 (Gen3)	1
	PCI Express x 4	-	1 (Gen2)	3
	PCI Express x 1	2	1 (Gen2)	-
	PCI	8	4	7
Ethernet	Interface	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps
	Controller	LAN 1: Intel I217V LAN 2: Intel I211AT	GbE LAN1: Intel I217LM, GbE LAN2: Intel I211AT	LAN 1: Intel I217LM LAN 2: Intel I211AT
Storage	Slim Optical Drive Bay	1 Front-accessible	1 Front-accessible	1 Front-accessible
	3.5" Drive Bay	2 Front-accessible/1 Internal	4 SAS/SATA HDDs (Hot-Swap)	4 SAS/SATA HDDs (Hot-Swap)
	2.5" Drive Bay	-	1 Internal	1 Internal
Front I/O Interface	USB	2 (3.0)	2 (3.0)	2 (3.0)
Rear I/O Interface	USB 2.0	1	4 (Two USB 3.0)	1
	Ethernet	2	2	2
	VGA	1	1	1
	PS/2	1 (PS/2 Y cable supports 1 x keyboard and 1 x mouse)	2 (1 x keyboard and 1 x mouse)	1 (PS/2 Y cable supports 1 x keyboard and 1 x mouse)
Watchdog Timer	Output	System reset	System reset	System reset
	Interval	Programmable 1-255 sec	Programmable 1 ~ 255 sec	Programmable 1 ~ 255 sec
Power Supply	Output Rating	300W	400W ATX	400W ATX
	Input Voltage	AC 100 ~ 240 V (full range)	AC 100 ~ 240 V (full range)	AC 100 ~ 240 V (full range)
Cooling	Fan	2 (9 cm / 53 CFM)	1 (12 cm /74 CFM) + 1 (8 cm/56 CFM) for SAS/ SATA storage unit	1 (12 cm /74 CFM) + 1 (8 cm/56 CFM) for SAS/ SATA storage unit
	Air Filter	Yes	Yes	Yes
Miscellaneous	LED Indicators	Power, HDD, temperature, fan, LAN1, and LAN2	Power, HDD, temperature, fan, LAN1, and LAN2	Power, HDD, temperature, fan, LAN1, and LAN2
	Remote Management	Remote monitoring: temperature, fan speed, HD status, voltage Active control: schedule on/off, remote KVM Complete protection: system recovery (Acronis), system protection (McAfee)	Remote monitoring: temperature, fan speed, HD status, voltage Active control: schedule on/off, remote KVM Complete protection: system recovery (Acronis), system protection (McAfee)	Remote monitoring: temperature, fan speed, HD status, voltage Active control: schedule on/off, remote KVM Complete protection: system recovery (Acronis), system protection (McAfee)
	Rear Panel	One 9-pin D-Sub opening	Five 9-pin D-Sub and one 68-pin SCSI openings	One 9-pin D-Sub opening
Physical Characteristics	Dimensions (W x H x D)	482 x 177 x 348 mm (19" x 7.0" x 13.7")	482 x 177 x 478 mm (19" x 7.0" x 18.8")	482 x 177 x 478 mm (19" x 7.0" x 18.8")
	Weight	8.5 kg (18.7 lb)	12.5 kg (27.5 lb)	12.5 kg (27.5 lb)

工業級伺服器

伺服器等級整機電腦



Model Name		SYS-2U7242-4A01	NEW SYS-4U7320-4S01	NEW SYS-4U7400-4S01	NEW SYS-4U7442-4S02	NEW SYS-4U7480-4S01
Processor System	Socket		Intel LGA 2011-R3	Intel LGA 2011	Intel LGA 2011	Intel LGA 2011-R3
	CPU type	i7-4770S/i7-4770TE/i5-4570S/ i5-4570TE/i3-4330/i3-4330TE/ G3420/G3420T	Intel Xeon E5-2600 v3 dual processor (CPU cooler should be purchased separately and TDP up to 160W) Intel Xeon E5-2600 v3 Series (1S conditional support, please contact to Advantech application engineer)	Intel Xeon E5-2600(v2) dual processor (CPU cooler should be purchased separately and TDP up to 130W)	Intel Xeon E5-1600 / 1600 v2 series (TDP up to 130W) Intel Xeon E5-2600 / 2600 v2 series (TDP up to 130W)	Intel Xeon E5-2600 v3 dual processor (CPU cooler should be purchased separately and TDP up to 160W) Intel Xeon E5-2600 v3 Series (1S conditional support, please contact to Advantech application engineer)
Core Logic	Chipset	-	Intel C612 chipset	Intel C602J chipset	Intel C602J chipset	Intel C612 chipset
	Total slots	-	8 (Quad Channel)	8 (Quad Channel)	6	8 (Quad Channel)
Memory	Capacity	32 GB	Maximum 256 GB ECC RDIMM	Maximum 128 GB ECC RDIMM	Maximum 96 GB ECC RDIMM	Maximum 256 GB ECC RDIMM
	Memory type	Dual Channel DDR3 1333/1600	DDR4 ECC-REG 2133/1866/1600/1333 MHz DIMM	DDR3 ECC-REG/ECC/Non-ECC 1600/1333/1066 MHz DIMM	DDR3 ECC-REG/ECC/Non-ECC 1600*/1333/1066 MHz DIMM	DDR4 ECC-REG 2133/1866/1600/1333 MHz DIMM
	Memory size	-	1 GB, 2 GB, 4 GB, 8 GB, 16 GB, 32 GB	1 GB, 2 GB, 4 GB, 8 GB, 16 GB	1 GB, 2 GB, 4 GB, 8 GB, 16 GB	1 GB, 2 GB, 4 GB, 8 GB, 16 GB, 32 GB
Expansion Slots	Total PCI/PCI-X/ PCIe slots	-	7	7	7	7
	Slot location 1	-	1 x PCIe x16 slot (x16 link), signal from CPU1	Fit to PME daughter board	PCI	1 x PCIe x16 slot (x16 link), signal from CPU1
	Slot location 2	-	1 x PCIe x16 slot (x8 link), signal from CPU1	Fit to PME daughter board	PCIe x16 slot (Gen3 x8 link)	1 x PCIe x16 slot (x8 link), signal from CPU1
	Slot location 3	-	1 x PCIe x16 slot (x16 link), signal from CPU1	Fit to PME daughter board	PCIe x16 slot (Gen3 x8 link)	1 x PCIe x16 slot (x16 link), signal from CPU1
	Slot location 4	-	1 x PCIe x8 slot (x4 link), signal from PCH	1 x PCIe x8 slot (x8 link), signal from CPU0	PCIe x16 slot (Gen3 x8 or x16 link)	1 x PCIe x8 slot (x4 link), signal from PCH
	Slot location 5	-	1 x PCIe x16 slot (x16 link), signal from CPU0	1 x PCIe x16 slot (x16 link), signal from CPU1	PCIe x16 slot (Gen3 x8 link)	1 x PCIe x16 slot (x16 link), signal from CPU0
	Slot location 6	-	1 x PCIe x16 slot (x8 link), signal from CPU0	1 x PCIe x16 slot (x16 link), signal from CPU1	PCIe x16 slot (Gen3 x8 or x16 link)	1 x PCIe x16 slot (x8 link), signal from CPU0
Graphics	VGA	-	Aspeed AST2400/1400 64 MB	Aspeed AST2300 64 MB	Aspeed AST2300/1300 64 MB	Aspeed AST2400/1400 64 MB
	Slim Optical Drive	1 (Front-accessible)	1 External		1 External	3 (ODD should be purchased separately)
Drive Bay	3.5"	4 SAS/SATA HDDs (Front-accessible)/ 2 (2.5") (Internal)	2 Internal	2 Front-accessible	1 Internal	8 Front-accessible
	Hot Swap	-	2 (3.5" or 2.5")	2 (rear-accessible) + 2 (optional)	4 SAS/SATA HDDs (can upgrade to 8)	-
Front I/O Interface	USB3.0	2	2	2	2	2
Rear I/O Interface	External serial port	1 (RS-232)	1	1	1	1
	External USB port	4 (Two USB 3.0)	4 (2*USB2.0 + 2*USB3.0)	4 (2*USB2.0 + 2*USB3.0)	6 (2 x USB 3.0)	4 (2*USB2.0 + 2*USB3.0)
	VGA port	1	1	1	1	1
	RJ-45	-	3 (1 port dedicated for IPMI function)	3 (1 port dedicated for IPMI function)	3 (1 port dedicated for IPMI function)	3 (1 port dedicated for IPMI function)
	PS/2 KB/mouse Infiniband	2 (1 x keyboard and 1 x mouse) -	1 -	1 -	1 -	1 -
Power Supply	Output Rating	500W	500W	700W (HPC-7400MB- 70A1E)/1400W (HPC-7400MB- 14A1E)	500W	500W
	Input Voltage	100 ~ 240 V _{AC}	100 ~ 240 V _{AC}	100 ~ 240 V _{AC}	100 ~ 240 V _{AC}	100 ~ 240 V _{AC}
Miscellaneous	LED Indicators	Power, HDD, temperature, fan, LAN1, and LAN2	Power, HDD, LAN1, and LAN2	Power, HDD, LAN1 & LAN2	Power, HDD, temperature, fan, LAN1, and LAN2	Power, HDD activity, LAN
	Rear Panel	Two 9-pin D-Sub	Two 9-pin D-Sub	Power switch and system reset button	Five 9-pin D-Sub and one 68- pin SCSI openings	-
Networking	GbE LAN	-	2 x Intel I210AT	1 x Intel 82579LM + 1 x Intel I210AT	1 x Intel 82579LM + 1 x Intel I210	2 x Intel I210AT
Management Solution	Software	-	-	-	-	-
	Out of band remote management	-	Yes (ASMB-923I sku only)	Yes	Yes	Yes (ASMB-923I sku only)
Monitoring	CPU temperature	-	Yes	Yes	Yes	Yes
	System Monitoring	-	Yes	Yes	Yes	Yes
Watchdog Timer	Output	System reset	System reset	System reset	System reset	System reset
	Interval	Programmable 1 ~ 255 sec	Programmable 1 ~ 255 sec/min	Programmable 1 ~ 255 sec/min	Programmable 1 ~ 255 sec/min	Programmable 1 ~ 255 sec/min
Physical Characteristics	Dimensions (W x H x D)	Power, HDD, temperature, fan, LAN1, and LAN2	426.4 x 132.2 x 480 mm (16.79" x 5.2" x 18.9")	482 x 177 x 448 mm (19" x 7.0" x 17.6")	482 x 177 x 600 mm (19" x 7.0" x 23.6")	452 x 178 x 648 mm (4U)
	Weight	Two 9-pin D-Sub	12 kg	16 kg	18.5 kg (40.68 lb)	29.94 kg

ASR-1400

4U 24-bay Reliable Disk Expansion Enclosure to Fit Industrial Applications



Features

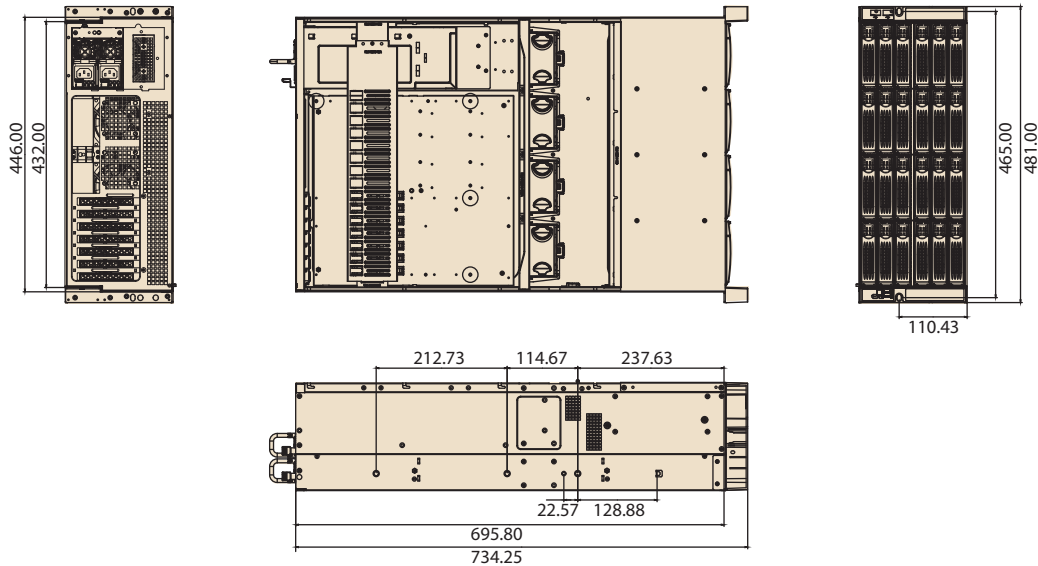
- Support 24x hot-swap 2.5"/3.5" SATA/SAS 6Gb/s drives
- SES enclosure management and smart fan control
- Two 6Gb/s SAS host ports, storage daisy chain support
- High efficiency (80+) redundant power supplies
- Optional to enable two SAS host ports for maximum performance

Specification

System	Form Factor	4U-24Bay	
	Number of Drives	24-Bays (2.5"/3.5")	
	Drive Type	SATA/SAS 6Gb/s or 3Gb/s	
	SAS Expansion Port	2 x 6Gb/s SAS 4x wide ports	
	Smart Fan Control	Yes (smart fan control for both cpu & sys fan)	
Power Supply	Power Output Wattage	875W Redundant Power	
	Input Range	AC 100-240V	
Mechanical	Dimension	699 x 432 x 176 (mm)	
	Weight	41 kg (without hard drives)	
Environmental	Temperature	Operation	Non-operation
		0° C ~ 40° C (32° F ~ 104° F)	-20° C ~ 60° C (-4° F ~ 140° F)
	Humidity	10% ~ 85% @ 40° C, non-condensing	10% ~ 95% @ 40° C, non-condensing
Misc	Notification LED	Power Status, System Fail	

Dimensions

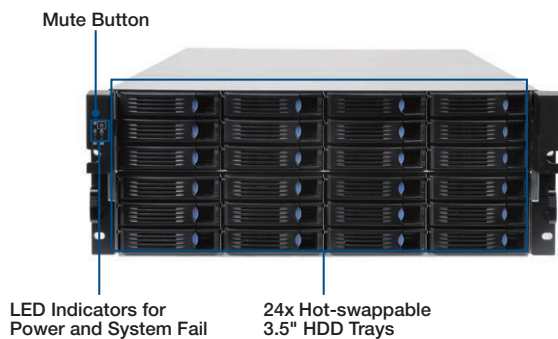
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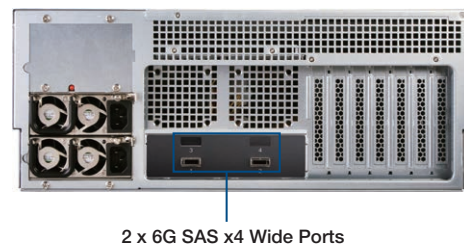
Order Information

Advantech P/N	Description
ASR-1400-24A1E	4U 24-Bay JBOD Expansion Enclosure

Front View



Rear View



工業級伺服器

工業級儲存解決方案



Model Name		ASR-3272	ASR-3472	ASR-5200E	ASR-5300I
System	Form Factor	2U 12-Bay	4U 24-Bay	2U 12-Bay (LFF) / 24-bay(SFF)	3U 16-Bay (LFF)
	Number of Drives	12-bay (3.5"/2.5")	24-bay (3.5"/2.5")	12-Bay (3.5") / 24-Bay (2.5")	16-Bay (3.5")
	Drive Type	SATA/SAS 6Gb/s or 3Gb/s	SATA/SAS 6Gb/s or 3Gb/s	6Gb/s SAS	6 Gb/s SAS, 6 Gb/s SATA
	CPU Type	LGA 1155 Xeon 1200V2 or 3rd Generation Core i3 processor	LGA 1155 Xeon 1200V2 or 3rd Generation Core i3 processor	-	-
	Chipset	Intel C216 Chipset	Intel C216 Chipset	-	-
	Memory Type	4 x 240 pin DDR3 up to 32 GB	4 x 240 pin DDR3 up to 32 GB	Default 8GB	Default 2 GB, up to 16 GB
	Storage Expansion	Yes (only for E SKU)	-	Yes, miniSAS HD	Yes, miniSAS
	RAID Level	0, 1, 5, 6, 10, 50, 60	0, 1, 5, 6, 10, 50, 60	0, 1, 5, 6, 10	0, 1, 3, 5, 6, 10, 30, 50, 60
	TPM	Yes (optional)	Yes (optional)	-	-
Expansion Slot	Smart Fan Control	Yes (smart fan control for both cpu & sys fan)	Yes (smart fan control for both cpu & sys fan)	-	-
	PCIe x16 slot with x8 link	1	1	-	-
	PCIe x4 slot	2	2	-	-
Display	PCI	3	3	-	-
	Chipset	Integrated Intel HD Graphics(GT2-P4000 or GT1-2500)	Integrated Intel HD Graphics(GT2-P4000 or GT1-2500)	-	-
	Display Memory	1 GB maximum shared memory with 2 GB and above system memory installed	1 GB maximum shared memory with 2 GB and above system memory installed	-	-
Ethernet	VGA	Onboard, supports up to 2048 x 1536 (@60Hz)	Onboard, supports up to 2048 x 1536 (@60Hz)	-	-
	Gigabit Ethernet	4	4	-	-
I/O	Front Panel I/O Port	2 USB 2.0	2 USB 2.0	-	-
	Back Panel I/O Port	1 PS/2 Keyboard/Mouse 1 VGA Port 1 COM RS-232 Port 2 USB 2.0 Ports 2 USB 3.0 Ports 4 LAN RJ45 Port	1 PS/2 Keyboard/Mouse 1 VGA Port 1 COM RS-232 Port 2 USB 2.0 Ports 2 USB 3.0 Ports 4 LAN RJ45 Port	-	-
	Internal I/O Connector	1 TPM Pin Header 2 USB Type A connectors	1 Parallel Port pin header 1 COM Port pin header 1 Audio Port pin header 1 TPM Pin Header 1 USB 3.0 Pin Header 2 USB Type A connectors 3 USB 2.0 Pin Headers	-	-
Power Supply	Power Output Wattage	650W Redundant Power	875W Redundant Power	800W Redundant Power	460W Redundant Power (80 Plus)
	Input Range	AC 100-240V	AC 100-240V	AC 100-240V	AC 100-240 V
Mechanical	Dimension	699 x 432 x 88 (mm)	699 x 432 x 176 (mm)	556 x 483 x 87 (mm)	500 x 448 x 130 (mm)
	Weight	19 kg (without hard drives)	42 kg (without hard drives)	18 kg / 39.68lbs (without hard drives)	21.66kg / 47.75lbs (without hard drives)
Environmental	Operating Temperature	0° C ~ 40° C (32° F ~ 104° F)	0° C ~ 40° C (32° F ~ 104° F)	10° C ~ 35° C (50° F ~ 95° F)	0 to 40° C (32 ~ 104° F) without BBU or Super-Cap
	Non-Operating Temperature	-20° C ~ 60° C (-4° F ~ 140° F)	-20° C ~ 60° C (-4° F ~ 140° F)	-10° C ~ 50° C (14° F ~ 125° F)	-40 to 60° C (-40° F ~ 140° F)
	Operating Humidity	10% ~ 85% @ 40° C, non-condensing	10% ~ 85% @ 40° C, non-condensing	20% ~ 80% @ 35° C, non-condensing	5 to 95% non-condensing
	Non-operating Humidity	10% ~ 95% @ 40° C, non-condensing	10% ~ 95% @ 40° C, non-condensing	10% ~ 90% @ 35° C, non-condensing	5 to 95% non-condensing
	Operating Vibration (5~500 Hz)	0.25Grms	0.25Grms	-	-
Misc	Notification LED	Power Status, System Fail, LAN LED	Power Status, System Fail, LAN LED	-	-

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電視牆控制器



Model Name		8 屏解決方案		20 屏解決方案	
		NEW AVS-240	NEW AVS-290	NEW AVS-540	NEW AVS-541
Processor System	Chipset	Intel C602J Chipset	Intel C206 Chipset	Intel C602J Chipset	Intel C216 Chipset
	CPU	Intel LGA1356 Xeon E5-2400 Single processor (up to 95W TDP)	Intel LGA1155 Xeon E3-1200 / Core i3-2120 / Pentium G850 Single processor	Intel LGA2011 Xeon E5-2600 Single processor (up to 95W TDP)	Intel LGA1155 Xeon E3-1200V2 Single processor (up to 95W TDP)
	L2 Cache	20/15/10 MB	8MB/6MB/3MB	5/10/15/20 MB	2/3/6/8 MB
	Front Side Bus	-	-	-	-
	Memory	ECC & Register or ECC or non ECC DDR3 1600/1333/1066 MHz UDIMMs, maximum 96 GB	Dual Channel DDR3 ECC/Non-ECC 1066/1333 MHz up to 32GB	ECC & Register or ECC or non ECC DDR3 1600/1333/1066 MHz UDIMMs, maximum 96 GB	ECC & Register or ECC or non ECC DDR3 1600/1333/1066 MHz UDIMMs, maximum 16 GB
Graphics	Controller	Aspeed AST2300 (Needs being disabled when Mura MPX is installed)	Aspeed AST2300 (Needs being disabled when Mura MPX is installed)	Aspeed AST2300 (Needs being disabled when Mura MPX is installed)	Aspeed AST2300 (Needs being disabled when Mura MPX is installed)
	VRAM	64 MB	64 MB	64 MB	64 MB
Expansion Slot	PCIe x16 (Gen 3.0)	16.0 GB/s per direction, 1 slot (For Mura MPX installation)	2 (For Mura MPX installation. Auto switch to x8 link if slot 4 is occupied)	-	-
	PCIe x8 (Gen 3.0)	8.0 GB/s per direction, 1 slot (For Mura MPX installation)	-	-	-
	PCIe x4 (Gen 2.0)	2.0 GB/s per direction, 1 slot (For Mura MPX-V8/V16 installation)	1	-	-
	PCIe x1 (Gen 2.0)	500 MB/s per direction, 1 slot	1	-	-
Drive Bay	PCI	32 bit/33 MHz, 2 slots	3	-	-
	5.25" Front-Accessible	3	1	3	3
	3.5" (Front Accessible)	1	2 x SATA	1	1
Ethernet	3.5" Internal	-	1 x SATA	-	1
	Interface	Dual 10/100/1000 Mbps Gigabit Ethernet	Quad 10/100/1000 Mbps Gigabit Ethernet	Dual 10/100/1000 Mbps Gigabit Ethernet	Dual 10/100/1000 Mbps Gigabit Ethernet
	Controller	Intel 82579LM + Intel 82574L	GbE LAN1: Intel 82579LM; GbE LAN2: Intel 82574L; GbE LAN3/4: Intel 82580DB	Intel 82579LM + Intel I210	Intel 82579LM + Intel 82574L
Front I/O Interface	USB	2 x USB2.0	2 x USB2.0	2 x USB2.0	2 x USB2.0
	PS/2	1	-	1	1
Rear I/O Interface	USB	4 x USB2.0	4 x USB2.0	4 x USB2.0, 2 x USB 3.0	1 x USB 3.0
	PS/2	2	2	2	1 (KB & MS through the Y cable)
	COM	1	1 (RS-232), COM1 don't support wake-on-modem	1	-
	Display	1 x VGA	1 x VGA	1 x VGA	1 x VGA
	Parallel	-	-	-	-
	RJ-45	2	4	3 (1 is dedicated for IPMI)	2
Watchdog Timer	Output	Interrupt, system reset	Interrupt, system reset	Interrupt, system reset	Interrupt, system reset
	Interval	Programmable, 1~255 sec/min	Programmable, 1 ~ 255 sec/min	Programmable, 1~255 sec	Programmable, 1~255 sec
Power Supply	Power Output Wattage	80+ Bronze 500W Single Power Supply	80+ Bronze 400W ATX PS/2 Single Power Supply	80+ Bronze 700W Single Power Supply	810W 3+1 redundant power supply (Front-accessible)
	Input Range	AC 100 ~ 240 V	AC 100 ~ 240 V	AC 100 ~ 240 V	AC 115 ~ 230 V (full range)
Cooling	Chassis Fan	2 (12 cm / 85 CFM each)	1 (12 cm/85 CFM) + 1 (6 cm/27.7CFM)	2 (12 cm / 114 CFM each)	3 (12 cm / 114 CFM each)
	Air Filter	Yes	Yes	Yes	4 (200 x 45 mm) + 1 (128 x 95 mm)
Miscellaneous	LED Indicators	Power status, HDD activity, Temperature, Fan, and Power voltage status	Power status, HDD activity, Temperature and FAN Status	Power status, HDD activity, Temperature, Fan, and Power voltage status	Power, HDD, fan, temperature, and power voltage status
	Remote Management	Advantech Remote Monitoring Utility	Advantech Remote Monitoring Utility	Advantech Remote Monitoring Utility	Advantech Remote Monitoring Utility, iAMT 8.0
Physical Characteristics	Dimension	482 x 177 x 479 mm (19" x 7" x 18.9")	200 x 320 x 480 mm (7.9" x 12.6" x 18.9")	482 x 177 x 479 mm (19" x 7" x 18.9")	482 x 177 x 657 mm (19" x 7" x 26")

工業級伺服器

電視牆控制器



Model Name		20 屏解決方案		40 屏解決方案	
		NEW AVS-542	NEW AVS-543	NEW AVS-840	NEW AVS-860
Processor System	Chipset	Intel C602J Chipset	Intel C602J Chipset	Intel C216 Chipset	Intel C216 Chipset
	CPU	Intel LGA2011 Xeon E5-2600 / E5-2600 v2 series Single processor (up to 95W TDP)	Intel LGA2011 Xeon E5-2600 / E5-2600 v2 series Single processor (up to 95W TDP)	Intel LGA 1155 Xeon E3-1200 V2 Single processor (up to 95W TDP)	Intel LGA 1155 Xeon E3-1200 V2 Single processor (up to 95W TDP)
	L2 Cache	5/10/15/20 MB	5/10/15/20 MB	8 MB	8 MB
	Memory	ECC & Register or ECC or non ECC DDR3 1600/1333/1066 MHz UDIMMs, maximum 96 GB	ECC & Register or ECC or non ECC DDR3 1600/1333/1066 MHz UDIMMs, maximum 96 GB	ECC or non ECC DDR3 1333/1600 MHz UDIMMs, maximum 16 GB	ECC or non ECC DDR3 1333/1066 MHz UDIMMs, maximum 16 GB
Expansion Slot	Slot location 1	PCI	PCI	PClex16 slot (x4 link)	PClex16 slot (x4 link)
	Slot location 2	PCIe x16 slot (Gen3 x8 link), for ImageDP4 / VisionAV / Vision Series installation	PCIe x16 slot (Gen3 x8 link), for ImageDP4 / VisionAV / Vision Series installation	PCIe x16 slot (Gen2 x16 link), for Mura MPX-4/4 installation	PCIe x16 slot (Gen2 x16 link), for Mura MPX-4/4 installation
	Slot location 3	PCIe x16 slot (Gen3 x8 link), for ImageDP4 / VisionAV / Vision Series installation	PCIe x16 slot (Gen3 x8 link), for ImageDP4 / VisionAV / Vision Series installation	PCIe x16 slot (Gen2 x16 link), for Mura MPX-4/4 installation	PCIe x16 slot (Gen2 x16 link), for Mura MPX-4/4 installation
	Slot location 4	PCIe x16 slot (Gen3 x8 or x16 link), for ImageDP4 / VisionAV / Vision Series installation	PCIe x16 slot (Gen3 x8 or x16 link), for ImageDP4 / VisionAV / Vision Series installation	PCIe x16 slot (Gen2 x16 link), for Mura MPX-4/4 installation	PCIe x16 slot (Gen2 x16 link), for Mura MPX-4/4 installation
	Slot location 5	PCIe x16 slot (Gen3 x8 link), for ImageDP4 / VisionAV / Vision Series installation	PCIe x16 slot (Gen3 x8 link), for ImageDP4 / VisionAV / Vision Series installation	PCIe x16 slot (Gen2 x16 link), for Mura MPX-4/4 installation	PCIe x16 slot (Gen2 x16 link), for Mura MPX-4/4 installation
	Slot location 6	PCIe x16 slot (Gen3 x8 or x16 link), for ImageDP4 / VisionAV / Vision Series installation	PCIe x16 slot (Gen3 x8 or x16 link), for ImageDP4 / VisionAV / Vision Series installation	PCIe x16 slot (Gen2 x16 link), for Mura MPX-4/4 installation	PCIe x16 slot (Gen2 x16 link), for Mura MPX-4/4 installation
	Slot location 7	PCIe x8 slot (Gen2 x4 link), for VisionAV / Vision Series installation	PCIe x8 slot (Gen2 x4 link), for VisionAV / Vision Series installation	PCIe x16 slot (Gen2 x16 link), for Mura MPX-4/4 installation	PCIe x16 slot (Gen2 x16 link), for Mura MPX-4/4 installation
Drive Bay	Slim Optical Drive Bay	1 Front-accessible	1 Front-accessible	3	4
	3.5" Drive Bay	2 Internal	4 Front-accessible	1	-
	2.5" Drive Bay	1 Internal	1 Internal	1	2
Ethernet	Interface	Dual 10/100/1000 Mbps Gigabit Ethernet	Dual 10/100/1000 Mbps Gigabit Ethernet	Dual 10/100/1000 Mbps Gigabit Ethernet	Dual 10/100/1000 Mbps Gigabit Ethernet
	Controller	Intel 82579LM + Intel I210	Intel 82579LM + Intel I210	LAN1: Intel 82579LM LAN2: Intel 82574L	LAN1: Intel 82579LM LAN2: Intel 82574L
Front I/O Interface	USB	2 x USB2.0	2 x USB2.0	2 x USB2.0	2 x USB2.0
Rear I/O Interface	USB	4 x USB2.0, 2 x USB 3.0	4 x USB2.0, 2 x USB 3.0	1 x USB 3.0, 4 x USB2.0 (via USB cable kit)	1 x USB 3.0, 4 x USB2.0 (via USB cable kit)
	PS/2	2	2	1 (Y cable for mouse and keyboard is included in the package)	1 (Y cable for mouse and keyboard is included in the package)
	COM	1	1	-	-
	Display	1 x VGA	1 x VGA	1 x VGA	1 x VGA
	RJ-45	3 (1 is dedicated for IPMI)	3 (1 is dedicated for IPMI)	2	2
Watchdog Timer	Output	Interrupt, system reset	Interrupt, system reset	Interrupt, system reset	Interrupt, system reset
	Interval	Programmable, 1~255 sec	Programmable, 1~255 sec	Programmable, 1~255 sec	Programmable, 1~255 sec
Power Supply	Power Output Wattage	80+ Bronze 700W Single Power Supply	80+ Bronze 750W Redundant Power Supply	810W 3+1 redundant power supply (Front-accessible)	1+1 750W Redundant Power Supply
	Input Range	AC 100 ~ 240 V	AC 100 ~ 240 V	AC 100 ~ 240 V	AC 100 ~ 240 V
Cooling	Chassis Fan	2 (9cm / 110.18 CFM)	2 (9cm / 110.18 CFM) + 1 (8 cm / 56CFM)	3 (12 cm / 114 CFM each)	4 (9cm/110CFM each)
	Air Filter	Yes	Yes	4 (200 x 45 mm) + 1 (128 x 95 mm)	Yes
Physical Characteristics	Dimension	482 x 177 x 348 mm (19" x 7.0" x 13.7")	482 x 177 x 478 mm (19" x 7.0" x 18.8")	482 x 177 x 657 mm (19" x 7" x 26")	482 x 266 x 464 mm (19" x 10.5" x 18.3")

工業級伺服器

GPU 伺服器



Model Name		AGS-910	AGS-920
Processor System	Chipset	Intel C602J Chipset	Intel C602J Chipset
	CPU	Dual Intel LGA2011 Xeon 2600 / 2600 v2 processor (up to 135W TDP)	Dual Intel LGA2011 Xeon E5-2600 / 2600 v2 processor (up to 150W TDP)
	L2 Cache	Up to 30 MB	5/10/15/20 MB
	Memory	8 x DDR3 1333/1600 Non-ECC/ECC/REG DIMM, maximum to 128GB	8 x DDR3 1333/1600 MHz Non-ECC/ECC/REG DIMM, maximum to 128GB (256GB is condition support by configuration)
Graphics	Controller	Aspeed AST2300	Aspeed AST2300
	VRAM	64 MB	64 MB
Expansion Slot	Slot location 1 (Upper Middle slot)	PCIe x 8 slot (Gen3 x8 link) for FH/HL expansion cards	PCIe x 8 slot (Gen3 x8 link) for for single-depth 4.376"(H)/6.4"(L) expansion cards
	Slot location 2 (Lower Right slot)	PCIe x16 slot (Gen3 x16 link), for double-deck 4.376"(H)/10.5"(L) expansion cards	PCIe x16 slot (Gen3 x16 link), for double-depth 4.376"(H)/10.5"(L) expansion cards
	Slot location 3 (Upper Left slot)	PCIe x16 slot (Gen3 x16 link), for double-deck 4.376"(H)/10.5"(L) expansion cards	PCIe x16 slot (Gen3 x16 link), for double-depth 4.376"(H)/10.5"(L) expansion cards, support 12"(L) when remove 8020 FAN
	Slot location 4	-	-
	Slot location 5	-	PCIe x16 slot (Gen3 x16 link), for double-depth 4.376"(H)/10.5"(L) expansion cards, support 12"(L) when remove 8020 FAN
	Slot location 6 (Lower Left slot)	PCIe x16 slot (Gen3 x16 link), for double-deck 4.376"(H)/10.5"(L) expansion cards	PCIe x16 slot (Gen3 x16 link), for double-depth 4.376"(H)/10.5"(L) expansion cards
Drive Bay	2.5" (Hot-swap)	4	8 (only 4 x SATAIII + 2 x SATAIII on-board)
	3.5" (Front Accessible)	-	-
	3.5" Internal	-	-
Ethernet	Interface	4 x 10/100/1000 Mbps Gigabit Ethernet	4 x 10/100/1000 Mbps Gigabit Ethernet
	Controller	1 x Intel 82579LM + 3 x Intel I210AT	1 x Intel 82579LM + 3 x Intel I210AT
Front I/O Interface	USB	2 x USB2.0	2 x USB2.0
Rear I/O Interface	USB	2 x USB2.0	2 x USB2.0
	PS/2	-	-
	COM	-	-
	Display	1 x VGA	1 x VGA
Internal connector	RJ-45	4 (1 is sharing NIC for IPMI)	4 (1 is sharing NIC for IPMI)
	Type-A USB	1	1
	COM	2	2
	LPC	1	1
Watchdog Timer	Output	Interrupt, system reset	Interrupt, system reset
	Interval	Programmable, 1~255 sec	Programmable, 1~255 sec
Power Supply	Power Output Wattage	80 PLUS Platinum 1+1 redundant Power Supply 900W @ 100 ~ 120V 1100W @ 200 ~ 240V	80 PLUS Platinum 1400W 1+1 redundant Power Supply 900W @ 100 ~ 120V 1400W @ 200 ~ 240V
	Input Range	AC 100 ~ 240 V	AC 100 ~ 240 V
Cooling	Chassis Fan	7 x 40x56 + 2 x 40x28 high speed fan	4 * 80x38 + 1 * 80x20 + 1 * 80x38 (optional) high speed fan
	Air Filter	-	-
Miscellaneous	LED Indicators	Power status, HDD activity, Lan status, location, error message	Power status, HDD activity, Lan status, location, error message
	Remote Management	Advantech Remote Monitoring Utility	Advantech Remote Monitoring Utility
Physical Characteristics	Dimension (D x W x H)	770 x 430 x 44 mm	770 x 430 x 88 mm

影像監控電腦

影像監控主機



Model Name		ACP-4000VS	AiMC-3200VS	NVS-300VS	ARK-Ri2150L
System	CPU	Core i7-3770S	Core i5-3550S	Intel J1900	Intel ULV Core i7 3517UE
	Cache Memory	8MB	6MB	2.0 GHz (Quad core)	-
	System Chipset	Intel Q67	Intel H61	Intel J1900	Intel QM77
	Memory	4GB DDRIII (Max. Capacity 32GB)	4GB DDRIII (Max. Capacity 16GB)	4GB DDR3L (Max. Capacity 8GB)	4GB DDR3 (Max. Capacity 8GB)
Storage	SSD Driver	1 x 2.5" (16GB) SATA SSD		1 x mSATA SSD (32GB included)	1 x mSATA SSD (64GB included)
	HDD Driver	1 x 3.5" (3TB) SATA HDD (3 Drive Bay)	1 x 2.5" (1TB) SATA HDD (2 Internal Bay)	1 x removable 2.5" SATA bay	
Graphic	Chipset Integrated	Integrated Intel HD Graphics	Integrated Intel HD Graphics	-	Intel QM77 Integrated GFX Gen 7
Analog Camera Support	Recording Standard	NTSC/PAL	NTSC/PAL	-	-
	Video Encoding	H.264	H.264	-	-
	Maximum Frame Rate	30/25fps per channel	30/25fps per channel	-	-
	Analog Camera Inputs	Up to 32 channels D1/480FPS or 16 channels 1080p/160FPS HW encoder capture card selected	Up to 8 channels D1/240FPS or 4 channels 1080P/120FPS HW encoder capture card selected	-	-
IP Camera Support	Recording Resolutions	Up to 3 Megapixel	Up to 3 Megapixel	Up to 3 Megapixel	Up to 3 Megapixel
	Video Encoding	H.264	H.264	H.264	H.264
	Maximum Frame Rate	30fps per channel	30fps per channel	30fps per channel	30fps per channel
	Camera Inputs	Up to 32 channels D1/480FPS or 16 channels Full HD 1080P/160FPS IP cameras	Up to 8 channels D1/240FPS or 4 channels Full HD 1080P/120FPS IP cameras	Up to 4 channels D1/120FPS or 2 channels 1080P/60FPS	2 channels 1080P/60FPS
Inputs and Outputs	Display	VGA+DVI-D	VGA+DVI-D	VGA+HDMI	VGA+HDMI
	USB	2 x USB 2.0 + 2 x USB 3.0	4 USB2.0 (3 in front, 1 internal type-A for software key)	2 x USB 2.0 + 1 x USB 3.0	2 x USB 2.0 + 2 x USB 3.0
	Network	2 x 10/100/1000 Mbps LAN Ports	2 x 10/100/1000 Mbps LAN Ports	1 x 10/100/1000 Mbps LAN Ports	2 x 10/100/1000 Mbps LAN Ports
	Serial	2 x RS232	2 x RS232	1 (RS-232/422/485 by jumper setting)	2 x RS232
	PS/2	2 (1 x keyboard and 1 x mouse)	1	-	-
Hardware and Physical	Power	AC 400W, ATX 100V _{AC} ~ 240 V _{AC}	AC 250W, ATX 100V _{AC} ~ 240 V _{AC}	AC to DC, 12V/7A, 84W, 100V~240V	AC to DC, DC12 V/5 A, 60 W (Optional)
	Storage	Up to 3 3TB 3.5" SATA HDD	Up to 2.5" HDD x 2	Up to 2.5" HDD x 2	-
	Dimension (W x H x D)	482 x 177 x 479 mm (19" x 7" x 18.9")	232 x 90 x 232 mm	252 x 179.5 x 50 mm (iron front); 252 x 184 x 50 mm (aluminum front)	264.5 x 75.1 x 133.0 mm (10.41" x 2.96" x 5.24")
Third Party Integration	SDK Available for 3 rd Party software integration	Supported	Supported	Supported	Supported

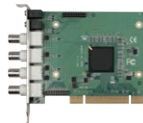
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Model Name		監控適用				
		DVP-7010BE	DVP-7020BE	DVP-7030E	DVP-7031E	DVP-7041E
Video	Compression	SW H.264	SW H.264	SW H.264	S/W H.264/MPEG4	SW H.264
	Channel	4	16	4	4	8
	Host Interface	PCI	PCI	PCI	Mini-PCI	Mini-PCle
Audio	Audio Inputs	-	-	4 x RCA	4 x pin	8 x Pin
	Format	-	-	Mono/8~16 bits/8000~48000 Hz	Mono/8~16 bits/8000~48000Hz	Mono/8~16 bits/8000~48000 Hz
GPIO		Support ADAM-4055 8DI/8DO Module	Support ADAM-4055 8DI/8DO Module	8	16	Optional
Watchdog		-	-	Yes	Yes	Yes
Physical Characteristic	Operating Temperature	-10 ~ 60° C (14 ~ 140° F)	-10 ~ 60° C (14 ~ 140° F)	-20 ~ 70° C (-4 ~ 158° F)	-20 ~ 70° C (-4 ~ 158° F)	-20 ~ 70° C (-4 ~ 158° F)
	Storing Temperature	-20 ~ 70° C (-4 ~ 158° F)	-20 ~ 70° C (-4 ~ 158° F)	-40 ~ 85° C (-40 ~ 185° F)	-40 ~ 85° C (-40 ~ 185° F)	-40 ~ 85° C (-40 ~ 185° F)
	Dimensions	125.38 x 97.25 mm	125.38 x 97.25 mm	120 x 96.4 mm	30 x 51 mm	30 x 51 mm
	Safety	CE/FCC	CE/FCC	CE/FCC	CE/FCC	CE/FCC
System Requirement	CPU (Display)	-	-	Intel Pentium 4 2.0 GHz	Intel Core 2 Duo E2200 2.2 GHz	Intel Core 2 Duo E2200 2.2 GHz
	CPU (Recording)	-	-	Intel Core 2 Duo E2200 2.2 GHz	Intel Core 2 Quad Q9400 2.6 GHz	Intel Core 2 Quad Q9400 2.6 GHz
	Memory	-	-	512 MB	2 GB	2 GB
	VGA	1024 x 768, DirectX 9.0c	1024 x 768, DirectX 9.0c	1024 x 768, DirectX 9.0c	1024 x 768, DirectX 9.0c	1024 x 768, DirectX 9.0c
	Operating System	Windows XP/XPe and Windows 2000	Windows XP/XPe and Windows 2000	Windows XP/XPe/Vista/7; Linux 2.6.14 or higher; 32/64 bits	Windows XP/XPe/Vista/7; Linux 2.6.14 or higher; 32/64 bits	Windows XP/XPe/Vista/7; Linux 2.6.14 or higher; 32/64 bits
WebAccess+IVS		PV-600E	PV-800E	Support	Support	Support

影像監控電腦

影像擷取卡



Model Name		監控適用		
		DVP-7635E	DVP-7637E	DVP-7640E
Video	Compression	H/W H.264	H/W H.264	HW H.264 Main
	Channels	4	4	8
	Host Interface	PCI	PCIe x1	PCIe x 4
	Input Interface	BNC	BNC	BNC
	Max. Display Resolution	D1	D1	D1
	Max. Recording Resolution	D1 + CIF	D1 + CIF	D1 + CIF
	Max. Display Rate	120/100 fps (NTSC/PAL)	120/100 fps (NTSC/PAL)	240/200 fps (NTSC/PAL)
	Max. Recording Rate	30/25 fps (NTSC/PAL) @ 4CIF + CIF dual stream/ch	30/25 fps (NTSC/PAL) @ 4CIF + CIF dual stream/ch	240/200 fps (NTSC/PAL)
	Dual Stream	Yes	Yes	Yes
	Video Outputs	-	-	-
Audio	Audio Inputs	4 x RCA	4 x RCA	8 x RCA
	Format	MONO/16 bits/8000 Hz	MONO/16 bits/8000 Hz	MONO/16 bits/16000 Hz
GPIO		16	16	16
Watchdog		YES	YES	Yes
Physical Characteristic	Operating Temperature	-20 ~ 70° C (-4 ~ 158° F)	-20 ~ 70° C (-4 ~ 158° F)	-20 ~ 70° C (-4 ~ 158° F)
	Storing Temperature	-40 ~ 85° C (-40 ~ 185° F)	-40 ~ 85° C (-40 ~ 185° F)	-40 ~ 85° C (-40 ~ 185° F)
	Dimensions	121 x 97 mm	105 x 101 mm	166 x 111 mm
	Safety	CE/FCC	CE/FCC	CE/FCC
System Requirement	CPU (Display)	Intel Pentium 4 2.0 GHz	Intel Pentium 4 2.0 GHz	Intel Core 2 Duo E2200 2.2 GH
	CPU (Recording)	Intel Pentium 4 2.0 GHz	Intel Pentium 4 2.0 GHz	Intel Core 2 Duo E2200 2.2 GH
	Memory	512 MB	512 MB	2 GB
	VGA	1024 x 768, DirectX 9.0c	1024 x 768, DirectX 9.0c	1024 x 768, DirectX 9.0c
	Operating System	Windows XP/XPe/Vista/7; Linux 2.6.14 or higher; 32/64 bits	Windows XP/XPe/Vista/7; Linux 2.6.14 or higher; 32/64 bits	Windows XP/XPe/Vista/7; Linux 2.6.14 or higher; 32/64 bits
WebAccess+IVS		*	*	*

影像擷取卡



Model Name		監控適用		
		DVP-7650E	NEW DVP-7630HE	NEW DVP-7632HE
Video	Compression	HW H.264 Main	HW H.264 Main	HW H.264 Main
	Channels	16	4	4
	Host Interface	PCIe x 4	PCIe x 4	PCIe x 1 Gen2
	Input Interface	BNC	BNC	BNC
	Max. Display Resolution	D1	1920 x 1080p	1920 x 1080p
	Max. Recording Resolution	D1 + CIF	1920 x 1080p + 960 x 540p/ch	1920 x 1080p + 960 x 540p/ch
	Max. Display Rate	480/400 fps (NTSC/PAL)	120/100 fps (NTSC/PAL)	120/100 fps (NTSC/PAL)
	Max. Recording Rate	480/400 fps (NTSC/PAL)	120/100 fps (NTSC/PAL)	120/100 fps (NTSC/PAL)
	Dual Stream	Yes	-	-
	Video Outputs	-	-	-
Audio	Audio Inputs	16 x RCA	4 x SDI	4 x SDI
	Format	MONO/16 bits/16000 Hz	MONO/16 bits/8000 Hz	MONO/16 bits/8000 Hz
GPIO		16	16	16
Watchdog		Yes	Yes	Yes
Physical Characteristic	Operating Temperature	-20 ~ 70° C (-4 ~ 158° F)	-20 ~ 70° C (-4 ~ 158° F)	-20 ~ 70° C (-4 ~ 158° F)
	Storing Temperature	-40 ~ 85° C (-40 ~ 185° F)	-40 ~ 85° C (-40 ~ 185° F)	-40 ~ 85° C (-40 ~ 185° F)
	Dimensions	166 x 111 mm	166 x 109 mm	189 x 90 mm
	Safety	CE/FCC	CE/FCC	CE/FCC
System Requirement	CPU (Display)	Intel Core 2 Duo E2200 2.2 GHz	Intel Pentium 4 2.0 GHz	Intel Pentium 4 2.0 GHz
	CPU (Recording)	Intel Core 2 Duo E2200 2.2 GHz	Intel Pentium 4 2.0 GHz	Intel Pentium 4 2.0 GHz
	Memory	2 GB	512 MB	512 MB
	VGA	1024 x 768, DirectX 9.0c	1024 x 768, DirectX 9.0c	1024 x 768, DirectX 9.0c
	Operating System	Windows XP/XPe/Vista/7; Linux 2.6.14 or higher; 32/64 bits	Windows XP/XPe/Vista/7; Linux 2.6.14 or higher; 32/64 bits	Windows XP/XPe/Vista/7; Linux 2.6.14 or higher; 32/64 bits
WebAccess+IVS		*	*	*

影像監控電腦

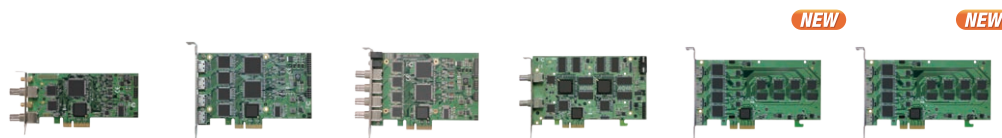
影像擷取卡



Model Name		醫療影像適用			
		DVP-7010HE	DVP-7012HE	DVP-7014HE	DVP-7610HE
Video	Compression	SW H.264	SW H.264	S/W H.264	HW H.264 Main
	Channels	1	1	1	1
	Host Interface	PCIe x 4	PCIe x 1 Gen2	Mini PCIe x1 (Gen 2)	PCIe x 1
	Input Interface	HD-SDI/HDMI/DVI-I/YPbPr	1 x DVI-I/YPbPr/S-Video/Composite	1 x HDMI/DVI-D/DVI-A/YPbPr	HD-SDI/HDMI/DVI-I/YPbPr
	Max. Display Resolution	1920 x 1080p	1920 x 1080p	1920 x 1080p	1920 x 1080p
	Max. Recording Resolution	1920 x 1080p	1920 x 1080p	1920 x 1080p	1920 x 1080p + 960 x 540p
	Max. Display Rate	60/50 fps (NTSC/PAL)	60/50 fps (NTSC/PAL)	30/25 fps (NTSC/PAL)	30/25 fps (NTSC/PAL)
	Max. Recording Rate	60/50 fps (NTSC/PAL)	60/50 fps (NTSC/PAL)	30/25 fps (NTSC/PAL)	30/25 fps (NTSC/PAL)
	Dual Stream	-	-	-	Yes
	Video Outputs	-	DVI-I/YPbPr/S-Video/Composite Loop Through (Optional)	-	-
Audio	Audio Inputs	1 x SDI, 1 x HDMI, 2 x RCA	2 x RCA	HDMI Embedded Audio/ Audio L/R	1x SDI, 1x HDMI, 2 x RCA
	Format	Stereo/16 bits/32000~48000 Hz	Stereo/16 bits/32000~48000 Hz	Stereo / 16-bit / 32000 ~ 48000Hz	STEREO/16 bits/32000~48000 Hz
GPIO		16	16	16	16
Watchdog		Yes	Yes	YES	Yes
Physical Characteristic	Operating Temperature	-20 ~ 70° C (-4 ~ 158° F)	-20 ~ 70° C (-4 ~ 158° F)	-20 ~ 70° C (-4 ~ 158° F)	-20 ~ 70° C (-4 ~ 158° F)
	Storing Temperature	-40 ~ 85° C (-40 ~ 185° F)	-40 ~ 85° C (-40 ~ 185° F)	-40 ~ 85° C (-40 ~ 185° F)	-40 ~ 85° C (-40 ~ 185° F)
	Dimensions	135 x 101 mm	135 x 69 mm	30 x 51 mm	155 x 101 mm
	Safety	CE/FCC	CE/FCC	CE/FCC	CE/FCC
System Requirement	CPU (Display)	Intel Core 2 Duo E2200 2.2 GHz	Intel Core 2 Duo E2200 2.2 GHz	Intel Core 2 Duo E2200 2.2 GHz	Intel Core 2 Duo E2200 2.2 GHz
	CPU (Recording)	Intel Core 2 Quad Q9400 2.6 GHz	Intel Core 2 Quad Q9400 2.6 GHz	Intel Core 2 Quad Q9400 2.6 GHz	Intel Core 2 Duo E2200 2.2 GHz
	Memory	2 GB	2 GB	2 GB	2 GB
	VGA	1024 x 768, DirectX 9.0c	1024 x 768, DirectX 9.0c	1024 x 768, DirectX 9.0c	1024 x 768, DirectX 9.0c
	Operating System	Windows XP/XPe/Vista/7; Linux 2.6.14 or higher; 32/64 bits	Windows XP/XPe/Vista/7; Linux 2.6.14 or higher; 32/64 bits	Windows XP/XPe/Vista/7; Linux 2.6.14 or higher; 32/64 bits	Windows XP/XPe/Vista/7; Linux 2.6.14 or higher; 32/64 bits

影像監控電腦

影像擷取卡



Model Name		視頻會議/遠端教學適用					
		DVP-7020HE	DVP-7030HE	DVP-7032HE	DVP-7620HE	DVP-7633HE	DVP-7634HE
Video	Compression	SW H.264	SW H.264	SW H.264	HW H.264 Main	HW H.264 Main	HW H.264 High
	Channels	2	4	4	2	4	5
	Host Interface	PCIe x 4	4 x HDMI	PCIe x 4	PCIe x 4	PCIe x 4	PCIe x 4
	Input Interface	HD-SDI	HD-SDI	HD-SDI	HD-SDI	HDMI	4 x SDI + 1 x DVI / VGA / HDMI / YPbP
	Max. Display Resolution	1920 x 1080p	1920 x 1080p	1920 x 1080p	1920 x 1080p	1920 x 1080p	1920x1080p
	Max. Recording Resolution	1920 x 1080p	1920 x 1080p	1920 x 1080p	1920 x 1080p + 960 x 540p	1920 x 1080p + 960 x 540p	1920x1080p
	Max. Display Rate	120/100 fps (NTSC/PAL)	120/100 fps (NTSC/PAL)	120/100 fps (NTSC/PAL)	60/50 fps (NTSC/PAL)	120/100 fps (NTSC/PAL)	120/100 fps (NTSC/PAL)
	Max. Recording Rate	120/100 fps (NTSC/PAL)	120/100 fps (NTSC/PAL)	120/100 fps (NTSC/PAL)	60/50 fps (NTSC/PAL)	120/100 fps (NTSC/PAL)	120/100 fps (NTSC/PAL)
	Dual Stream	-	-	-	Yes	Yes	-
	Video Outputs	SDI Loop Through	-	-	-	-	-
Audio	Audio Inputs	2 x SDI	4 x HDMI	4 x SDI	2 x SDI	4 x HDMI	SDI / HDMI / 2 x RCA
	Format	Stereo/16 bits/ 32000~48000Hz	Stereo/16 bits/ 32000~48000Hz	Stereo/16 bits/ 32000~48000Hz	Stereo/16 bits/ 32000~48000Hz	Stereo/16 bits/ 32000~48000Hz	MONO/16 bits/ 8000 Hz
GPIO		16	16	16	16	16	16
Watchdog		Yes	Yes	Yes	Yes	Yes	YES
Physical Characteristic	Operating Temperature	-20 ~ 70° C (-4~ 158° F)	-20 ~ 70° C (-4~ 158° F)	-20 ~ 70° C (-4~ 158° F)	-20 ~ 70° C (-4~ 158° F)	-20 ~ 70° C (-4~ 158° F)	-20 ~ 70° C (-4~ 158° F)
	Storing Temperature	-40 ~ 85° C (-40 ~ 185° F)	-40 ~ 85° C (-40 ~ 185° F)	-40 ~ 85° C (-40 ~ 185° F)	-40 ~ 85° C (-40 ~ 185° F)	-40 ~ 85° C (-40 ~ 185° F)	-40 ~ 85° C (-40 ~ 185° F)
	Dimensions	140 x 64.4 mm	140 x 95 mm	140 x 105 mm	166 x 109 mm	166 x 109.15 mm	
	Safety	CE/FCC	CE/FCC	CE/FCC	CE/FCC	CE/FCC	CE/FCC
System Requirement	CPU (Display)	Intel Core 2 Duo E2200 2.2 GHz	Intel Core 2 Duo E2200 2.2 GHz	Intel Core 2 Duo E2200 2.2 GHz	Intel Core 2 Duo E2200 2.2 GHz	Intel Core 2 Duo E2200 2.2 GHz	Intel Pentium 4 2.0 GHz
	CPU (Recording)*	Intel Core 2 Quad Q9400 2.6 GHz	Intel Core 2 Quad Q9400 2.6 GHz	Intel Core 2 Quad Q9400 2.6GHz	Intel Core 2 Duo E2200 2.2 GHz	Intel Core 2 Duo E2200 2.2 GHz	Intel Pentium 4 2.0 GHz
	Memory	2 GB	2 GB	2 GB	2 GB	2 GB	512 MB
	VGA	1024 x 768, DirectX 9.0c	1024 x 768, DirectX 9.0c	1024 x 768, DirectX 9.0c	1024 x 768, DirectX 9.0c	1024 x 768, DirectX 9.0c	1024 x 768, DirectX 9.0c
	Operating System	Windows XP/XPe/ Vista/7; Linux 2.6.14 or higher; 32/64 bits	Windows XP/XPe/ Vista/7; Linux 2.6.14 or higher; 32/64 bits	Windows XP/XPe/ Vista/7; Linux 2.6.14 or higher; 32/64 bits	Windows XP/XPe/ Vista/7; Linux 2.6.14 or higher; 32/64 bits	Windows XP/XPe/ Vista/7; Linux 2.6.14 or higher; 32/64 bits	Windows XP/XPe/ Vista/7; Linux 2.6.14 or higher; 32/64 bits

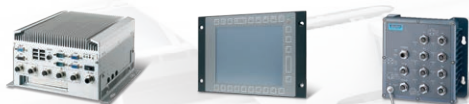
智能交通系統

交通

提供鐵路基礎架構系統適用的整體解決方案

長久以來，研華致力於與合作夥伴聯手提供可靠的平台解決方案，為全球各個城市的智慧型運輸系統鋪路。研華擁有十年成功經驗，擁有專屬資源，以供設計與開發專為運輸產業打造的全新產品。這些產品可支援鐵路自動收費、道旁控制、鐵路車輛、交通管理等項目。本公司的使命是推動智慧型運輸系統，進而有助於我們實現創造與提供智慧城市技術的願景。

鐵路車輛



ITA-5000系列, TPC-8000系列, EKI-6500系列

軌旁控制



ITA-2000 系列、ITA-5000 系列、EKI-1000 系列

控制室



AVS、ASR、伺服器

ETC



ITA-3000 系列、ARK-2000 系列、EKI-7600 系列

車站管理



機架式和壁掛式系統、EKI-7500 系列

自動收費



ITA-1000 系列 + EKI-3000 系列

交通管理



ITA-3000 系列、ARK-2000 系列、EKI-7000 系列

智能交通系統



Model Name		車站自助服務設備		
		NEW ITA-1611	NEW ITA-1711	NEW ITA-1910
Processor System	CPU	Intel® Celeron™ J1900	Intel® Celeron™ J1900	Intel Atom Dual Core D525
	Max Speed	2.0 GHz	2.0 GHz	1.8 GHz
	L2 Cache	2 MB	2 MB	1 MB
	Core Number	4	4	Intel ICH8-M
	BIOS	AMI SPI 16Mb	AMI SPI 16Mb	AMI SPI 16 Mb
Memory	Technology	Dual channel DDR3 1333	Dual channel DDR3 1333	Single channel DDR3 800
	Capacity	Onboard 4 GB (Up to 8 GB with SODIMM)	Onboard 4 GB (Up to 8 GB with SODIMM)	Onboard 1 GB (max up to 2 GB)
Graphics	Chipset	Embedded Gen 4+GFX Core	Embedded Gen 4+GFX Core	Embedded Gen3.5+ GFX Core, Frequency 400 MHz
	VRAM	Shared system memory up to 256 MB SDRAM	Shared system memory up to 256 MB SDRAM	Shared system memory up to 256 MB SDRAM
	Dual Display	2 x VGA (default) or VGA + DVI-D (optional) or VGA + LVDS (optional) Single channel max: 2048 x 1536 @ 60Hz Dual channel max: 1920 x 1080 @ 60Hz	2 x VGA (default) or VGA + DVI-D (optional) or VGA + LVDS (optional) Single channel max: 2048 x 1536 @ 60Hz Dual channel max: 1920 x 1080 @ 60Hz	2 x VGA or VGA + LVDS (Optional) Single Channel Max: 2048 x 1536 @ 60Hz Dual Channel Max: 1366 x 768 @ 60Hz
	LVDS (optional)	Support 18bit /24bit dual channel up to 1920 x 1080 @ 60Hz	Support 18bit /24bit dual channel up to 1920 x 1080 @ 60Hz	Support 18-bit single channel up to 1366 x 768 @ 60Hz (Optional)
Ethernet	Interface	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps
	Controller	2 x Intel I211	2 x Intel I211	2 x Intel 82583V
	Connector	2 x RJ-45	2 x RJ-45	2 x RJ-45
Storage	NVRAM	1 Mb FRAM(Optional)	1 Mb FRAM(Optional)	1 Mb FRAM (Optional)
	M-SATA	1 x M-SATA Socket	1 x M-SATA Socket	1 x CompactFlash socket for Type I/II CompactFlash disk 1 x Easy Swap SATA DOM CompactFlash Module
	HDD	Support 1 x 2.5" HDD	Support 1 x 2.5" HDD	Support 2.5" HDD (Optional)
I/O Interface	Main Display	VGA1	VGA1	-
	Secondary Display	VGA2 (default) / DVI-D (optional) / LVDS (optional)	VGA2 (default) / DVI-D (optional) / LVDS (optional)	-
	LAN	2	2	2
	USB	6 (5 x USB 2.0, 1 x USB 3.0)	6 (5 x USB 2.0, 1 x USB 3.0)	8
	COM	2 x RS 232/422/485 ports with automatic flow control (Up to 6 ports with additional 4 optional RS-232 Serial ports)	10 x RS 232/422/485 ports with automatic flow control (Up to 14 ports with additional 4 optional RS-232 Serial ports)	-
	Digital I/O	1 x 8-ch GPIO	1 x 24 bit GPIO (48 bit GPIO optional)	12-ch GPI, 12-ch GPO (Option another 12-ch GPI, 12-ch GPO)
	Audio	1 x Speaker out with 2x4w amplifier, 1x Mic in	1 x Speaker out with 2x4w amplifier, 1x Mic in	1 x Speaker out with 2x4w amplifier, 1x Mic in
	PS/2 (front panel)	1	-	-
	Reserved area (front panel)	1 (default 1 x LPT port, optional 2 x VGA with PCA-5650)	1 (LPT, DIO2, PS/2 optional)	-
Expansion Slots	Mini PCIe	1	1	1
Power	Power Input Voltage	DC 9 V ~ 36 V input	DC 9 V ~ 36 V input	DC 9V ~ 36V
Watchdog Timer	Output	System reset	System reset	System reset
	Interval	Programmable 1~255 sec/min	Programmable 1~255 sec/min	Programmable 1~255 sec/min
Physical Characteristics	Dimensions (W x H x D)	200 x 70 x 190 mm	200 x 70 x 190 mm	315 x 190 x 100 mm



軌旁控制器		交通管理控制器		軌道列車車載控制器	
ITA-2210	ITA-2230	NEW ITA-3630	NEW ITA-5710	NEW ITA-5730	
Intel® Atom™ D525 Processor	Intel® Core™ i7-3555LE(25W)	Intel i7-3555LE Processor/Intel i5-3610ME Processor/Intel i3-3210ME Processor/Intel Celeron 1020E Processor	Intel® Atom™ D525	Intel® Core™ i7-3555LE/Intel® Core™ i3-3217UE	
1.8 GHz	2.5 GHz	2.5 GHz/2.7 GHz/2.4 GHz/2.20 GHz	1.8 GHz	2.5 GHz/1.6 GHz	
1 MB	6 MB	6 MB/4 MB/3 MB/2 MB	1 MB	6 MB/3MB	
Intel ICH8-M	Intel® HM76	Intel® HM76	Intel® HM76	Intel® HM76	
AMI® SPI 16 Mb	AMI SPI 64Mb	AMI SPI 64 Mb	AMI SPI 16 Mb	AMI SPI 64 Mb	
Single Channel DDR3 800	DDR3 1600	DDR3 1333/1600, non-ECC	Single channel DDR3 800	DDR3 1333/1600, non-ECC	
Onboard 2 GB	Onboard 4 GB	4 GB on board	Onboard 2GB	4G on board memory	
Embedded Gen3.5+ GFX Core, Frequency 400 MHz	Intel® HD4000	Intel Integrated Graphics HD4000, support Direct x11	Embedded Gen3.5+ GFX Core, Frequency 400 MHz	Intel Integrated Graphics HD4000, support Direct x11	
Shared System Memory up to 256 MB SDRAM	Shared system memory up to 512 MB SDRAM	Shared system memory up to 512 MB SDRAM	Shared system memory up to 256 MB SDRAM	Shared system memory up to 512 MB SDRAM	
2 x VGA Single Channel Max: 2048 x 1536 @ 60Hz Dual Channel Max: 1366 x 768 @ 60Hz	1 x VGA, 1 x HDMI, 1 x eDP (Optional)	VGA: 1 x DB15, max resolution up to 2048 x 1536 HDMI: 1 x HDMI, support HDMI1.4 standard, max to 1920 x 1200 @ 60Hz Dual Display: VGA+HDMI Triple Display: VGA+HDMI+eDP (option)	2 x VGA or VGA + LVDS (Optional) Single Channel Max: 2048 x 1536 @ 60Hz Dual Channel Max: 1366 x 768 @ 60Hz	VGA: 1 x DB15, max resolution up to 2048 x 1536 HDMI: 1 x HDMI, support HDMI1.4 standard, max to 1920 x 1200 @ 60Hz Dual Display: VGA+HDMI Triple Display: VGA+HDMI+eDP (option)	
-	-	Built-in interface, support 48-bit dual channel(Optional)	Support 18-bit single channel up to 1366 x 768 @ 60 Hz (Optional)	Built-in interface, support 48-bit dual channel(Optional)	
10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps	
2 x Intel® 82583V	2 x Intel® I210IT	Intel I210-AT, 10/100/1000 Mbps	Intel i210-IT	Intel i210-IT	
2 x RJ-45	2 x RJ-45	2 x RJ-45	2 x M12 A-coded(F) 8-pin	3 x M12 A-coded(F) 8-pin	
-	-	-	-	-	
1 x CompactFlash socket for Type I/II CompactFlash disk	1 x M-SATA Socket	1 x M-SATA Socket	1 x CompactFlash socket for Type I/II CompactFlash disk 1 x Easy Swap CompactFlash/SATA slim Module	1 x M-SATA Socket 1 x Easy Swap CompactFlash/SATA slim Module	
1 x 3.5" or 2 x 2.5" HDD bay	1 x 3.5" or 2 x 2.5" HDD bay	Support 2 x 2.5" HDD or 2.5" HDD+CF module	1 x 2.5" SSD/HDD Easy-Swap bay	Support 1 x 2.5" SSD/HDD Easy-Swap bay	
-	-	VGA	VGA1	VGA	
-	-	HDMI	VGA2 (default) /LVDS (optional)	HDMI	
2	2	2	2	3	
8 x USB 2.0	4 x USB 3.0, 4 x USB 2.0	2 x USB3.0 & 4 x USB2.0	2 x USB2.0 with M12 A-coded(F) 4-pin 6 x USB2.0 with Type A	2 x USB2.0 with M12 A-coded(F) 4-pin 4 x USB2.0 with Type A 2 x USB3.0 with Type A	
2 x RS 232/422/485 ports with automatic flow control	2 x RS 232/422/485 ports with automatic flow control	2 x RS 232/422/485 ports with automatic flow control	2 x RS 232/422/485 ports with automatic flow control	2 x RS 232/422/485 ports with automatic flow control	
1 x 8-ch TTL GPIO	1 x 8-ch TTL GPIO	1 x DB9, 8-bit	1 x DB9, 8-bit	1 x DB9, 8-bit	
1 x Speaker out with 2x4w amplifier, 1x Mic in	1 x Speaker out with 2x4w amplifier, 1x Mic in	2 (1 x Line-Out, 1 x Mic-in)	1 x DB9, 1 x Speaker-out with 2 x 4W Amp., 1 x Mic-in	1 x DB9, 1 x Speaker-out with 2 x 4W Amp., 1 x Mic-in	
		1 x PS2	1 x PS2	1 x PS2	
PC104 interface	PC104 interface	Optional: 2 x VGA with PCA-5650 4 RS232 by PCA-COM232 or ITB-112	Optional: 4 RS232 by PCA-COM232 or ITB-112 4 RS232/422/485 with Isolation by ITB-114	Optional: 4 RS232 by PCA-COM232 or ITB-112 4 RS232/422/485 with Isolation by ITB-114	
1	1	1 x internal Mini PCIe (Full-Size)	1 x Mini PCIe Socket (Full size) 1 x Mini PCIe Socket (Full/Half size)	1 x Mini PCIe Socket (Full size) 1 x Mini PCIe Socket (Full/Half size)	
AC 100 ~ 240V or DC 110V	AC 100 ~ 240V or DC 110V	DC wide range 9V ~ 36V input	DC 24V input compliant with EN50155 class S2/C1 (Optional DC 48/72/110V input)	DC 24V input compliant with EN50155 class S2/C1 (Optional DC 48/72/110V input)	
System Reset	System Reset	System reset	System reset	System reset	
Programmable 1~255 sec/min	Programmable 1~255 sec/min	Programmable 1~255 sec/min	Programmable 1~255 sec/min	Programmable 1~255 sec/min	
427 x 88 x 325 mm	427x 88 x 325 mm	253 x 86.6 x 240 mm	210 x 129 x 240 mm 253 x 133 x 240 mm (with Supporting-angels)	210 x 240 x 129 mm (8.4" x 9.5" x 5.1") 253 x 240 x 133 mm (10.0" x 9.5" x 5.3") with mounting bracket	

All-in-One 觸控電腦

工業級觸控平板電腦



Model	Regular Panel PC					
	NEW PPC-3190	NEW PPC-3170	NEW PPC-3150	NEW PPC-3120	PPC-3100	PPC-L62T
CPU	Intel® Atom™ 1.91 GHz Processor	Intel® Atom™ 1.91 GHz Processor	Intel® Atom™ 1.91 GHz Processor	Intel® Atom™ 1.86 GHz Processor	Intel® Atom™ 1.86 GHz Processor	Intel® Atom™ 1.66 GHz Processor
Memory	1 x 204-pin SODIMM DDR3L support up to 8GB	1 x 204-pin SODIMM DDR3L support up to 8GB	1 x 204-pin SODIMM DDR3L support up to 8GB	1 x 204-pin SODIMM, DDR3/DDR4 (1066MHz), supports up to 4 GB	1 x 204-pin SODIMM, DDR3/DDR4 (1066MHz), supports up to 4 GB	1 x SO-DIMM DDR3 667 support up to 2GB
Display Type	TFT LED LCD	TFT LED LCD	TFT LED LCD	TFT LED LCD	TFT LED LCD	TFT LED LCD
Display Size	19"	17"	15"	12.1"	10.4"	6.5"
Max. Resolution	1280 x 1024	1280 x 1024	1024 x 768	1024 x 768	800 x 600	640 x 480
Max. Colors	16.7M	16.7M	16.7M	262K	16.2 M	262K
Luminance cd/m ²	350 nits	350 nits	400 nits	600 nits	400 nits	700 nits
Viewing Angle (H/V°)	85 (left), 85 (right), 80 (up), 80 (down)	80 (left), 80 (right), 60 (up), 80 (down)	80 (left), 80 (right), 70 (up), 70 (down)	80 (left), 80 (right), 70 (up), 70 (down)	80 (left), 80 (right), 70 (up), 70 (down)	80 (left), 80 (right), 70 (up), 70 (down)
Backlight MTBF (hrs)	50K hrs	50K hrs	50K hrs	50K hrs	30K hrs	50K hrs
Touchscreen	Analog Resistive 5-wire	Analog Resistive 5-wire	Analog Resistive 5-wire	Analog Resistive 5-wire	Analog Resistive 5-wire	Analog Resistive 5-wire
Network (LAN)	2 x GbE (Intel I210)	2 x GbE (Intel I210)	2 x GbE (Intel I210)	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
I/O Ports	1 x isolated RS-422/485 (terminal block) 4 x RS-232, two external and two by internal pin header (need optional module) 1 x GPIO (8 channels, TTL level) by internal pin header (need optional module) 1 x USB3.0 + 3 x USB2.0 2 x Gigabit Ethernet 1 x D-SUB VGA port 1 x DP1.1a 1 x Line-out, 1 x Mic-in, 2 x 1W speaker	1 x isolated RS-422/485 (terminal block) 4 x RS-232, two external and two by internal pin header (need optional module) 1 x GPIO (8 channels, TTL level) by internal pin header (need optional module) 1 x USB3.0 + 3 x USB2.0 2 x Gigabit Ethernet 1 x D-SUB VGA port 1 x DP1.1a 1 x Line-out, 1 x Mic-in, 2 x 1W speaker	1 x isolated RS-422/485 (terminal block) 4 x RS-232, two external and two by internal pin header (need optional module) 1 x GPIO (8 channels, TTL level) by internal pin header (need optional module) 1 x USB3.0 + 3 x USB2.0 2 x Gigabit Ethernet 1 x D-SUB VGA port 1 x DP1.1a 1 x Line-out, 1 x Mic-in, 2 x 1W speaker	4 x Serial ports: 3 x RS-232, 1x RS-232/422/485 (Adjustable through BIOS) 4 x USB 2.0 ports 1 x Line-out, 1x MIC-in 1 x DB15 VGA 1 x DB9 GPIO port (8 pin programmable)	4 x Serial ports: 3 x RS-232, 1x RS-232/422/485 (Adjustable through BIOS) 4 x USB 2.0 ports 1 x Line-out, 1x MIC-in 1 x DB15 VGA 1 x DB9 GPIO port (8 pin programmable)	2 x Serial ports: RS-232 x 1; RS-232/422/485 x 1; 4 x USB; 1 x Line-out
HDD (Optional)	2.5" SATA HDD/1 x Full size mSATA	2.5" SATA HDD/1 x Full size mSATA	2.5" SATA HDD/1 x Full size mSATA	1 x 2.5" SATA HDD Bay 1 x Full size mSATA	1 x 2.5" SATA HDD Bay 1 x Full size mSATA	1 x 2.5" SATA HDD Bay
Expansion Slots	One PCI (standard) One PCIe x 1 (in the accessory box)	One PCI (standard) One PCIe x 1 (in the accessory box)	One PCI (standard) One PCIe x 1 (in the accessory box)	1 x PCI/ 1 x PCI-e through riser (Optional)	-	-
Additional Expansion	1 x Full-size Mini PCIe	1 x Full-size Mini PCIe	1 x Full-size Mini PCIe	1x MINI PCI-e (Standard)	1x MINI PCI-e (Standard)	1x MINI PCI-e (Standard)
Power Input (Voltage)	9 ~ 32 V _{DC}	9 ~ 32 V _{DC}	9 ~ 32 V _{DC}	12 ~ 30 V _{DC}	12 ~ 30 V _{DC}	15 ~ 24 V _{DC}
Ingress Protection	Front panel: IP65	Front panel: IP65	Front panel: IP65	Front panel: IP65	Front panel: IP65	Front panel: IP65
Mounting	PanMount, VESA 75/100, wall mount, stand, ARM	PanMount, VESA 75/100, wall mount, stand, ARM	PanMount, VESA 75/100, wall mount, stand, ARM	PanMount, VESA 75, wall mount, stand, ARM	PanMount, VESA 75, wall mount, stand, ARM	PanMount, VESA 75, wall mount, stand, ARM
Operating Temperature	0 ~ 50°C (32 ~ 122°F) with 2.5" SATA HDD -20 ~ 60°C (-4 ~ 140°F) with -40 ~ 85°C mSATA or 2.5" SATA SSD	0 ~ 50°C (32 ~ 122°F) with 2.5" SATA HDD -20 ~ 60°C (-4 ~ 140°F) with -40 ~ 85°C mSATA or 2.5" SATA SSD	0 ~ 50°C (32 ~ 122°F) with 2.5" SATA HDD -20 ~ 60°C (-4 ~ 140°F) with -40 ~ 85°C mSATA or 2.5" SATA SSD	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)
Storage Temperature	-20 ~ 60°C (-4 ~ 140°F)	-20 ~ 60°C (-4 ~ 140°F)	-20 ~ 60°C (-4 ~ 140°F)	-20 ~ 60°C (-4 ~ 140°F)	-20 ~ 60°C (-4 ~ 140°F)	-20 ~ 60°C (-4 ~ 140°F)
Dimensions	458.2 x 384 x 67.3 mm (18" x 15" x 2.6")	442.0 x 362.0 x 69.5 mm (17.4" x 14.3" x 2.74")	396.5 x 317.6 x 65.3 mm (15.6" x 12.5" x 2.57")	325 x 253.8 x 58.4 mm (12.79" x 10" x 2.3")	275 x 220 x 64.3 mm (10.83" x 8.74" x 2.53")	202 x 148 x 49 mm (7.9" x 5.82" x 1.92")
Weight	7.9 Kg	6.3 Kg	5.3 Kg	3.3 Kg	2.5 Kg	1.5 kg
Certification	BSMI, CE, FCC Class A CB, CCC, BSMI, UL	BSMI, CE, FCC Class A CB, CCC, BSMI, UL	BSMI, CE, FCC Class A CB, CCC, BSMI, UL	BSMI, CE, FCC Class B, CB, CCC, BSMI, UL	BSMI, CE, FCC Class B, CB, CCC, BSMI, UL	BSMI, CE, FCC Class B, CB, CCC, BSMI, UL
Operating System	WES7/ WIN 7/ WIN 8 32, 64 bit	WES7/ WIN 7/ WIN 8 32, 64 bit	WES7/ WIN 7/ WIN 8 32, 64 bit	WIN XPE/ XP Pro/ 7/ WES7/ CE 7.0	WIN XPE/ XP Pro/ 7/ WES7/ CE 7.0	WIN XPE/ XP Pro/ WES7/ CE 6.0

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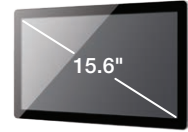
工業級觸控平板電腦



Model	Performance Panel PC						
	NEW PPC-4211W	NEW PPC-4151W	NEW PPC-6170	NEW PPC-6150	NEW PPC-6120	NEW PPC-8170	NEW PPC-8150
CPU	4th Gen. Intel® Core™ i5/ Celeron® Processor	4th Gen. Intel® Core™ i5/ Celeron® Processor	3rd Gen.Intel® Core™ i5/ i3/ Celeron Processor	3rd Gen.Intel® Core™ i5/ i3/ Celeron Processor	4th Gen. Intel® Core™ i/ Celeron® Processor	3rd Gen. Intel® Core™ i5/ i3 Processor	3rd Gen. Intel® Core™ i5/ i3 Processor
Memory	SO-DIMM x 1, DDR3L1333/1600, Max 8GB	SO-DIMM x 1, DDR3L1333/1600, Max 8GB	1 x 204-pin SODIMM, DDR3 (1600 MHz)/ DDRL (1333 MHz), supports up to 8 GB	1 x 204-pin SODIMM, DDR3 (1600 MHz)/ DDRL (1333 MHz), supports up to 8 GB	2 x 204-pin SODIMM DDR3/DDR3L (1600 MHz) total up to 16G	2 x 204 PIN DDR3 SO-DIMM, DDR3 1066/ 1333/ 1600MHz SDRAM, up to 8 GB/ 4 GB per SO-DIMM	2 x 204 PIN DDR3 SO-DIMM, DDR3 1066/ 1333/ 1600MHz SDRAM, up to 8 GB/ 4 GB per SO-DIMM
Display Type	TFT LED LCD	TFT LED LCD	TFT LED LCD	TFT LED LCD	TFT LED LCD	TFT LED LCD	TFT LED LCD
Display Size	21.5"	15.6"	17"	15"	12.1"	17"	15"
Max. Resolution	1920 x 1080	1366 x 768	1280 x 1024	1024 x 768	1024 x 768	1280 x 1024	1024 x 768
Max. Colors	16.7 M	16.7 M	262 K	262K	262K	16.7 M	262 K
Luminance cd/m²	300 nits	300 nits	350 nits	350 nits	600 nits	350 nits	400 nits
VieWiNg Angle (H/V°)	178°/ 178°	160°/ 170°	85 (left), 85 (right), 80 (up), 80 (down)	80 (left), 80 (right), 70 (up), 70 (down)	80 (left), 80 (right), 70 (up), 70 (down)	80 (left), 80 (right), 60 (up), 80 (down)	80 (left), 80 (right), 60 (up), 70 (down)
Backlight MTBF (hrs)	50K hrs	50K hrs	50K hrs	50K hrs	50K hrs	50K hrs	50K hrs
Touchscreen	PCT Multi Touch or Analog Resistive 5-wire	PCT Multi Touch or Analog Resistive 5-wire	Analog Resistive 5-wire	Analog Resistive 5-wire	Analog Resistive 5-wire	Analog Resistive 5-wire	Analog Resistive 5-wire
Network (LAN)	2 x 10/100/1000 Mbps Ethernet, Intel I211-AT, Intel I218LM	2 x 10/100/1000 Mbps Ethernet, Intel I211-AT, Intel I218LM	2 x GbE, supports Intel AMT9.0	2 x GbE, supports Intel AMT9.0	2 x GbE, supports Intel AMT9.0	2 x GbE connectors (RTL8111E)	2 x GbE connectors (RTL8111E)
I/O Ports	5 x Serial ports: 4 x RS-232, 1 x RS-422/485 with isolation 1K V _{OC} 4 x USB 3.0 ports in rear side, 1 x USB 2.0 in right side 1 x Line-out, 1x MIC-in 1 x DB15 VGA 1 x Display Port (1.2)	5 x Serial ports: 4 x RS-232, 1 x RS-422/485 with isolation 1K V _{OC} 4 x USB 3.0 ports in rear side, 1 x USB 2.0 in right side 1 x Line-out, 1x MIC-in 1 x DB15 VGA 1 x Display Port (1.2)	4 x COM ports, 1 x isolated RS-232/422/485, 3 x RS-232 1 x GPIO/RS-232 (8 channels, TTL level); by pin header 3 x USB3.0 + 2 x USB2.0 ports	4 x COM ports, 1 x isolated RS-232/422/485, 3 x RS-232 1 x GPIO/RS-232 (8 channels, TTL level); by pin header 3 x USB3.0 + 2 x USB2.0 ports	4 x USB3.0 (Ext.), 2 x USB2.0 (Int. pin head) 4 x RS-232 Serial ports, 1 x isolated RS422/485 (1KVDC) 1 x Display Port 1.2 1 x DB15 VGA out 1 x Mic in, 1 x Line out	6 COMs, 1 x RS-232/422/485, 5 x RS-232 6 x USB2.0 1 x VGA, 1 x DVI 1 x GPIO 8 bits (Internal pin header) 1 x Mic-in, 1 x Line-out 1 x PS/2 2 x 1.5W speaker	6 COMs, 1 x RS-232/422/485, 5 x RS-232 6 x USB2.0 1 x VGA, 1 x DVI 1 x GPIO 8 bits (Internal pin header) 1 x Mic-in, 1 x Line-out 1 x PS/2 2 x 1.5W speaker
HDD (Optional)	2.5" SATA HDD	2.5" SATA HDD	1 x 2.5" SATA bay/Second 2.5" SATA bay (Intel RAID supported, optional)	1 x 2.5" SATA bay/Second 2.5" SATA bay (Intel RAID supported, optional)	2.5" SATA HDD bay x1 mSATA x1	2.5" SATA HDD	2.5" SATA HDD
Expansion Slots	1 x PCIe x1 (standard) 1 x PCI (in the accessory box)	1 x PCIe x1 (standard) 1 x PCI (in the accessory box)	one PCI + one PCIe x1 (standard) one x PCIe x 4 (in the accessory box)	one PCI + one PCIe x1 (standard) one x PCIe x 4 (in the accessory box)	1 x PCIe by 1/ 1 x PCI through riser (Optional)	One PCIe x 4 (pre-installed) One PCI (in the accessory box)	One PCIe x 4 (pre-installed) One PCI (in the accessory box)
Additional Expansion	1 x Mini PCIe slot 1 x mSATA card slot	1 x Mini PCIe slot 1 x mSATA card slot	1 xfull-size mini PCIe (Supports mSATA) 1 xhalf-size mini PCIe	1 xfull-size mini PCIe (Supports mSATA) 1 xhalf-size mini PCIe	1 x MiniPCIe (Standard)	1 x Mini PCIe	1 x Mini PCIe
Power Input (Voltage)	9 ~ 32 V _{DC}	9 ~ 32 V _{DC}	100 - 240 V _{AC}	100 - 240 V _{AC}	12 ~ 30 V _{DC}	100 - 240 V _{AC}	100 - 240 V _{AC}
Ingress Protection	Front panel: IP65	Front panel: IP65	Front panel: IP65	Front panel: IP65	Front panel: IP65	Front panel: IP65	Front panel: IP65
Mounting	Panel Mount, VESA 75/100, wall mount, stand, ARM	Panel Mount, VESA 75/100, wall mount, stand, ARM	Panel Mount, VESA 75/100, wall mount, stand, ARM	Panel Mount, VESA 75/100, wall mount, stand, ARM	Panel Mount, VESA 75/100, wall mount, stand, ARM	Panel Mount, VESA 75/100, wall mount, stand, ARM	Panel Mount, VESA 75/100, wall mount, stand, ARM
Operating Temperature	0 ~ 50° C (32 ~ 122° F) for SSD, 0~45° C for HDD	0 ~ 50° C (32 ~ 122° F) for SSD, 0~45° C for HDD	0 ~ 50° C (32 ~ 122° F)	0 ~ 50° C (32 ~ 122° F)	0 ~ 50° C (32 ~ 122° F)	0 ~ 50° C (32 ~ 122° F)	0 ~ 50° C (32 ~ 122° F)
Storage Temperature	- 20 ~ 60° C (-4 ~ 140° F)	- 20 ~ 60° C (-4 ~ 140° F)	-20 ~ 60° C (-4 ~ 140° F)	-20 ~ 60° C (-4 ~ 140° F)	- 20 ~ 60° C (-4 ~ 140° F)	- 20 ~ 60° C (-4 ~ 140° F)	- 20 ~ 60° C (-4 ~ 140° F)
Dimensions	419.7 x 269 x 59 mm (16.52" x 10.59" x 2.32")	419.7 x 269 x 59 mm (16.52" x 10.59" x 2.32")	442.0 x 362.0 x 113.5 mm (17.4" x 14.25" x 4.47")	395.5 x 316.8 x 105.5 mm (15.6" x 12.5" x 4.15")	325.00 x 253.80 x 73.80 mm (12.80" x 9.99" x 2.91")	442.0 x 362.0 x 113.5 mm (17.4" x 14.25" x 4.47")	395.5 x 316.8 x 110.5 mm (15.6" x 12.5" x 4.35")
Weight	7.8 Kg	5.69 Kg	7.5 Kg	6.5 Kg	3.8 Kg	9.2 Kg	6.98 Kg
Certification	BSMI, CCC, CE, FCC Class B, UL	BSMI, CCC, CE, FCC Class B, UL	BSMI, CE, FCC Class A CB, CCC, BSMI, UL	BSMI, CE, FCC Class A CB, CCC, BSMI, UL	BSMI, CE, FCC Class A, CB, CCC, BSMI, UL	BSMI, CCC, CE, FCC Class A, UL	BSMI, CCC, CE, FCC Class A, UL
Operating System	WIN 7/ 8 /Linux	WIN 7/ 8 /Linux	WIN XPE/ XP Pro/ WES7 32, 64 bit/ 7 32, 64 bit	WIN XPE/ XP Pro/ WES7 32, 64 bit/ 7 32, 64 bit	WIN 7 32, 64bit/ 8 32, 64bit/ Linux	WIN XP Pro/ 7 32, 64 bit	WIN XP Pro/ 7 32, 64 bit

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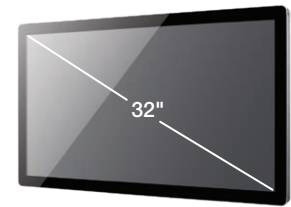
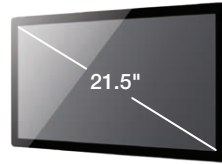


Model Name		UTC-300 Series			
		UTC-315		UTC-318	
Processor System	Description	15.6" Ubiquitous Touch Computer			
	Model	UTC-315D	UTC-315E	UTC-318D	UTC-318E
	CPU	Intel BayTrail J1900	Intel Haswell Core i5-4590T	Intel BayTrail J1900	Intel Haswell Core i5-4590T
	Basic Frequency	2.0 GHz (Quad-Core)	2.0 GHz (Quad-Core)	2.0 GHz (Quad-Core)	2.0 GHz (Quad-Core)
	Smart Cache	2M	6M	2M	6M
	Chipset	NA	Intel QM87	NA	Intel QM87
	Graphic Processor	Intel HD Graphic	Intel HD Graphic 4600	Intel HD Graphic	Intel HD Graphic 4600
	Graphic Frequency	688-854MHz	350-1150MHz	688-854MHz	350-1150MHz
	Memory	1x SO-DIMM DDR3L-1333 up to 8GB	1x SO-DIMM DDR3L-1600 up to 8GB	1x SO-DIMM DDR3L-1333 up to 8GB	1x SO-DIMM DDR3L-1600 up to 8GB
	HDD	1 x 2.5 internal SATA HDD bay		1 x 2.5 internal SATA HDD bay	
	Network	2 x Gigabit Ethernet ports (RJ-45) 1 x RS-232 COM , 1 x RS-232 / 422 / 485 5 x USB 2.0 / 1 x USB 3.0		2 x Gigabit Ethernet ports (RJ-45) 1 x RS-232 COM , 1 x RS-232 / 422 / 485 5 x USB 2.0 / 1 x USB 3.0	
	I/O ports	2 x Gigabit Ethernet (RJ-45) 1 x HDMI Audio Line-out x 1, Mic-in x 1 RJ-11 (option)		2 x Gigabit Ethernet (RJ-45) 1 x HDMI Audio Line-out x 1, Mic-in x 1 RJ-11 (option)	
	Stereo Speaker	1W x 2		1W x 2	
	BUS expansion	Full-size MiniPCIe/mSATA		Full-size MiniPCIe/mSATA	
	Mounting	VESA 75 x 75		VESA 100 x 100	
	Dimension (WxHxD)	402 x 260 x 39.7 mm		475 x 295 x 43.5 mm	
	Weight	< 4 kg (8.8 lb)		< 4 kg (8.8 lb)	
OS support		Windows Embedded Standard 7 Windows Embedded Standard 8 Embedded Linux 3.0		Windows Embedded Standard 7 Windows Embedded Standard 8 Embedded Linux 3.0	
Environmental Specifications	Operating Temperature	0 ~ 40° C (32 ~ 104° F)		0 ~ 40° C (32 ~ 104° F)	
	Relative Humidity	10 ~ 95% @ 40° C non-condensing		10 ~ 95% @ 40° C non-condensing	
	Vibration	0.5G		0.5G	
	Shock	10 G peak acceleration (11 msec. duration)		10 G peak acceleration (11 msec. duration)	
	EMC/ Safety	CE, FCC, UL, CCC CB,BSMI		CE, FCC, UL, CCC CB,BSMI	
	Front Panel Protection	IP65/ NEMA4 Compliant		IP65/ NEMA4 Compliant	
Power Supply	Input Rating	12 V/7 A (84W ITE Adapter)		12 V/7 A (84W ITE Adapter)	
	Power consumption	Typical 32W / Max. 70W		Typical 32W / Max. 70W	
LCD Display	Size	15.6" TFT LCD		18.5" TFT LCD	
	Max Resolution	1366 x 768		1366 x 768	
	Max Color	262K		262K	
	Pixel Pitch (um)	252 (H) x 252 (V)		252 (H) x 252 (V)	
	Brightness (cd/m²)	200 (Typical)		250 (Typical)	
	View Angle	90° / 60°		90° / 60°	
Touch Screen	Type	Analog Resistive 5-wires (Res. Flat Glass) / Projected Capacitive Touch Panel (Pcap. Flat Glass)		Analog Resistive 5-wires (Res. Flat Glass) / Projected Capacitive Touch Panel (Pcap. Flat Glass)	
	Light Transmission	Res. Touch : 80% ± 5% / P-Cap Touch : 90% ± 2%		Res. Touch : 80% ± 5% / P-Cap Touch : 90% ± 2%	
	Controller	COM interface / USB interface		COM interface / USB interface	

Model Name		UTC-500 Series		
		UTC-515		
System	Description	15.6" Ubiquitous Touch Computer		
	Model	UTC-515A	UTC-515B	UTC-515C
	CPU	AMD G-Series T40E Dual-core 1.0 GHz	Intel Atom Dual Core D2550 1.8 GHz	Intel Core i3 3217UE 1.6 GHz
	L2 Cache	512 KB	1 MB	1 MB (L3, 3 MB)
Memory	Memory	1 x SODIMM DDR3 1066 MHz up to 4 GB	1 x SODIMM DDR3 1066 MHz up to 4 GB	1 x SODIMM DDR3 1600 MHz up to 8 GB
		1 x 2.5 internal SATA HDD bay		
		15.6" TFT LCD		
Display	Max Resolution	1366 x 768		
	Brightness (cd/m²)	400		
	Max Color	16.7M		
	Pixel Pitch (um)	252 (H) x 252 (V)		
	View Angle	170°/160°		
	Type	Glass Panel (No touch function) Analog Resistive 5-wire (Res. Flat Glass) Projected Capacitive Touch Panel (Pcap. Flat Glass)		
Touchscreen	Light Transmission	Glass : 90% Res. Touch : 80% ± 5% P-Cap Touch : 90% ± 2%		
		Glass : none Res. Touch : USB P-Cap Touch : USB		
	Controller	Glass : none Res. Touch : USB P-Cap Touch : USB		
		Glass : none Res. Touch : USB P-Cap Touch : USB		
I/O	USB	4 x USB 2.0	4 x USB 2.0	2 x USB 2.0 2 x USB 3.0
	COM Ports	3 x RS-232		2 x RS-232
	VGA & HDMI	1		
	BUS expansion	Full-size MiniPCIe/mSATA		
Network	LAN	2 x Gigabit Ethernet ports (RJ-45)		
	WLAN	Optional		
Audio	Speaker	1W x 2		
	Audio Line-out	Audio Line-out x 1, Mic-in x 1		
Mechanical	Dimensions (WxHxD)	389.81 x 240.12 x 45.20 mm		
	Weight	4.85 kg (10.67 lbs.)		
	Mounting	VESA 100 mm standard		
Environmental Specifications	Operating Temperature	0 ~ 40° C (32 ~ 104° F)		
	Relative Humidity	10 ~ 95% @ 40° C non-condensing		
	Vibration	0.5G		
	Shock	10 G peak acceleration (11 msec. duration)		
	EMC/ Safety	CE, FCC, UL, CCC, CB, BSMI		
Power Supply	Input Rating	12 V/5 A (60W ITE Adapter)		12 V/5 A (60W ITE Adapter)
	Power Consumption	Typical 32W Max. 40W		Typical 40W Max. 50W
OS Support		Windows XP/ XPE/ Embedded 7 Embedded Windows 8 Embedded Linux 3.0	Embedded Windows 7 32-bit	Windows XP/ XPE/ Embedded 7 Embedded Windows 8 Embedded Linux 3.0

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Model Name		UTC-500 Series											
		UTC-515		UTC-520					UTC-532				
Description		15.6" Ubiquitous Touch Computer		21.5" Ubiquitous Touch Computer					32" Ubiquitous Touch Computer				
Model		UTC-515D	UTC-515E	UTC-520A	UTC-520B	UTC-520C	UTC-520D	UTC-520E	UTC-532A	UTC-532C	UTC-532D	UTC-532E	
System	CPU	Intel® Celeron® J1900	Intel® Core™ i5-4300U	AMD G-Series T40E Dual-core 1.0 GHz	Intel Atom Dual Core D2550 1.8 GHz	Intel Core i7 3517UE 1.7 GHz	Intel® Celeron® J1900	Intel® Core™ i5-4300U	AMD G-Series T40E Dual-core 1.0 GHz*	Intel Core i7 3517UE 1.7 GHz	Intel® Celeron® J1900	Intel® Core™ i5-4300U	
	L2 Cache	1 MB (L3, 3 MB)		512 KB	1 MB	1 MB (L3, 4 MB)			512 KB	1 MB (L3, 4 MB)			
	Memory	4GB	4GB	1 x SODIMM DDR3 1066 MHz up to 4 GB	1 x SODIMM DDR3 1066 MHz up to 4 GB	1 x SODIMM DDR3 1600 MHz up to 8 GB	4GB	4GB	1 x SODIMM DDR3 1066 MHz up to 4 GB	1 x SODIMM DDR3 1600 MHz up to 8 GB	4GB	4GB	
	Storage	1 x 2.5 internal SATA HDD bay		1 x 2.5 internal SATA HDD bay					1 x 2.5 internal SATA HDD bay				
Display	Size	15.6" TFT LCD		21.5" TFT LCD					32" TFT LCD				
	Max Resolution	1366 x 768		1920 x 1080					1920 x 1080				
	Brightness (cd/m²)	400		250 (Optional 400)					300				
	Max Color	16.7M		16.7 M					16.7 M				
	Pixel Pitch (um)	252 (H) x 252 (V)		248.25 (H) x 248.25 (V)					363.75 (H) x 363.75 (V)				
	View Angle	170°/160°		178°/178°					178°/178°				
Touchscreen	Type	Glass Panel (No touch function)			Glass Panel (No touch function)				Glass Panel (No touch function)				
		Analog Resistive 5-wire (Res. Flat Glass)			Analog Resistive 5-wire (Res. Flat Glass)				Projected Capacitive Touch Panel (Pcap. Flat Glass)				
		Projected Capacitive Touch Panel (Pcap. Flat Glass)			Projected Capacitive Touch Panel (Pcap. Flat Glass)								
	Light Transmission	Glass : 90%			Glass : 90%				Glass : 90%				
		Res. Touch : 80% ± 5%			Res. Touch : 80% ± 5%				P-Cap Touch : 90% ± 2%				
	Controller	P-Cap Touch : 90% ± 2%			P-Cap Touch : 90% ± 2%				-				
Glass : none			Glass : none				Glass : none						
Res. Touch : USB			Res. Touch : USB				P-Cap Touch : USB						
I/O	USB	4	4	4 x USB 2.0	4 x USB 2.0	2 x USB 2.0 2 x USB 3.0	4	4	4 x USB 2.0	2 x USB 2.0 2 x USB 3.0	4	4	
	COM Ports	2	2	3 x RS-232		2 x RS-232		2	2	3 x RS-232	2 x RS-232	2	2
	VGA & HDMI	1		1					1				
	BUS expansion	Full-size MiniPCIe/mSATA			Full-size MiniPCIe/mSATA				Full-size MiniPCIe/mSATA				
Network	LAN	2 x Gigabit Ethernet ports (RJ-45)		2 x Gigabit Ethernet ports (RJ-45)				2 x Gigabit Ethernet ports (RJ-45)					
	WLAN	Optional		Optional				Optional					
Audio	Speaker	1W x 2		3W x 2				3W x 2					
	Audio Line-out	Audio Line-out x 1, Mic-in x 1		Audio Line-out x 1, Mic-in x 1				Audio Line-out x 1, Mic-in x 1					
Mechanical	Dimensions (WxHxD)	389.81 x 240.12 x 45.20 mm			517.64 x 313.51 x 43.50 mm				785.64 x 480.24 x 62.50 mm				
	Weight	4.85 kg (10.67 lbs.)			8 kg (17.6 lbs.)				18 kg (39.6 lbs.)				
	Mounting	VESA 100 mm standard			VESA 100 mm standard				VESA 200 mm standard				
Environmental Specifications	Operating Temperature	0 ~ 40° C (32 ~ 104° F)			0 ~ 40° C (32 ~ 104° F)				0 ~ 40° C (32 ~ 104° F)				
	Relative Humidity	10 ~ 95% @ 40° C non-condensing			10 ~ 95% @ 40° C non-condensing				10 ~ 95% @ 40° C non-condensing				
	Vibration	0.5G			0.5G				0.5G				
	Shock	10 G peak acceleration (11 msec. duration)			10 G peak acceleration (11 msec. duration)				10 G peak acceleration (11 msec. duration)				
	EMC/ Safety	CE, FCC, UL, CCC, CB, BSMI			CE, FCC, UL, CCC, CB, BSMI				CE, FCC, UL, CCC, CB, BSMI				
	Front Panel Protection	IP65/ NEMA4 Compliant			IP65/ NEMA4 Compliant				IP65/ NEMA4 Compliant				
Power Supply	Input Rating	12V/5A	12V/5A	12 V/5 A (60W ITE Adapter)		12 V/7 A (84W ITE Adapter)	12V/5A	12V/7A	100-240V, 3.15A Max. 50 ~ 60 Hz		100-240VAC ~ 50/60Hz 2.5A		
	Power Consumption	35W	40W	Typical 32W Max. 40W		Typical 45W Max. 65W	40W	45W	Typical 95W Max. 105W		95W		
OS Support		Windows XP/ XPE/ Embedded 7 Embedded Windows 8 Embedded Linux 3.0	Embedded Windows 7 32-bit	Windows XP/ XPE/ Embedded 7 Embedded Windows 8 Embedded Linux 3.0	Embedded Windows 7 32-bit	Windows XP/ XPE/ Embedded 7 Embedded Windows 8 Embedded Linux 3.0	Windows Embedded 7, Windows Embedded 8, Embedded Linux 3.0		Windows XP/ XPE/ Embedded 7 Embedded Windows 8 Embedded Linux 3.0		Windows Embedded 7, Windows Embedded 8, Embedded Linux 3.0		

All-in-One 觸控電腦

All-in-One 觸控平板電腦



Model Name		UTC-600 Series		
		UTC-620C with Ivy Bridge	UTC-620D with Bay Trail	UTC-620E with Haswell
Processor System	CPU	Intel Core™ i7 3517UE 1.7 GHz	Intel Bay Trail J1900 2.0 GHz	Intel Haswell i5-4300U 1.9 GHz
	Chipset	Intel QM77	N/A	N/A
	L2 Cache	1 MB (L3, 4MB)	2MB	(L3, 3MB)
	Memory	1 x SO-DIMM DDR3 1600MHz up to 8GB	1 x SO-DIMM DDR3L 1600MHz up to 8GB	1 x SO-DIMM DDR3L 1600MHz up to 8GB
	HDD	1 x 2.5 internal SATA HDD bay		
	Network (LAN)	2 x Gigabit Ethernet ports		
	I/O Ports	1 x RS-232 COM (RS-422/485)* 2 x USB 2.0, 2 x USB 3.0 2 x Gigabit Ethernet (RJ-45) 1 x VGA & HDMI Audio Line-out x 1 /Mic in x 1	2 x RS-232 COM (RS-422/485)* 3 x USB 2.0, 1 x USB 3.0 2 x Gigabit Ethernet (RJ-45) 1 x VGA & HDMI Audio Line-out x 1 /Mic in x 1	2 x RS-232 COM (RS-422/485)* 2 x USB 2.0, 2 x USB 3.0 2 x Gigabit Ethernet (RJ-45) 1 x VGA & HDMI Audio Line-out x 1 /Mic in x 1
	Stereo Speaker	2Wx2		
	Bus expansion	Full-size MiniPCIe/mSATA		
	Build-in Peripheral	5MP Camera, MSR, 2D Barcode scanner, NFC(RFID)		
	Function Key	5 programmable touch soft-key		
	Dimensions (W x H x D)	344.71 (w/ MSR) x 565.24 x 43.5 (mm)		
	Weight	8 kg (17.6 lb)		
OS Support		Embedded Windows 7, Embedded Windows 8, Embedded Linux 3.0		
Environmental Specifications	Operating Temperature	0 ~ 40° C (32 ~ 104° F)		
	Relative Humidity	10 ~ 95% @ 40° C non-condensing		
	Vibration	0.5G		
	Shock	10 G peak acceleration (11 msec. duration)		
	EMC	CE, FCC, UL, CCC, BSMI		
Power	Input Rating	12 V/7 A (84W ITE Adapter)		
	Power consumption	Typical 55W, Max. 75W		
LCD Display	Size/Type	21.5" TFT LCD with LED backlight		
	Max.Resolution	1920 x 1080		
	Max. Color	16.7 M		
	Pixel Pitch (mm)	248.25 (H) x 248.25 (V)		
	Brightness (cd/m²)	250 (Optional 400)		
	View Angle	178°/178°		
Touch Screen Option	Type	Projected Capacitive Touch Panel (Pcap. Flat Glass)/Analog Resistive 5-wires (Res. Flat Glass)*		
	Light Transmission	90% ± 2% / 80% ± 5%		
	Controller	USB Interface		

工業級顯示器



Model		Robust and Wide Temperature Monitors			
		FPM-3191G	FPM-3171G	FPM-3151G	FPM-3121G
Display	Display Type	SXGA	SXGA	XGA	SVGA
	Display Size	19"	17"	15"	12"
	Max.Resolution	1280x1024	1280x1024	1024x768	800x600
	Max.Colors	16.7M	16.7M	16.2M	16.2M
	Luminance cd/m ²	350	350	350	450
	Viewing Angle (H/V°)	170/160	160/140	160/140	160/140
	Backlight MTBF (hrs)	50,000	50,000	50,000	50,000
Video Port		VGA/DVI	VGA/DVI	VGA/DVI	VGA/DVI
Touchscreen		Combo	Combo	Combo	Combo
OSD (onscreen display)		On front Panel with lockable function	On front Panel with lockable function	On front Panel with lockable function	On front Panel with lockable function
Power Input Voltage		100~240v (Adapter)	100~240v (Adapter)	100~240v (Adapter)	100~240v (Adapter)
DC Power Input(voltage)		12v & 24v	12v & 24v	12v & 24v	12v & 24v
Operating Temperature (°C)		0 ~ 50	-20 ~ 60	-20 ~ 60	-20 ~ 60
Storage Temperature (°C)		-20 ~ 60	-30 ~ 80	-30 ~ 80	-30 ~ 80
Dimension		482 x 399 x 67 mm	482 x 354.8 x 63.9 mm	422 x 310 x 70 mm	312 x 224 x 60.5 mm
Cut-out Dimension	Cut-out Dimension	444 x 376.4 mm	447.5 x 329.5 mm	396 x 296 mm	303.5 x 229.5 mm
Weight		10.65kg	9.25kg	7.73kg	4.07kg
Certification		BSMI, CCC, CE, FCC Class A, UL	BSMI, CCC, CE, FCC Class A, UL	CE, FCC Class A, BSMI, CCC, UL, Energy Star	CE, FCC Class A, BSMI, CCC, UL, Energy Star
Operating System		WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux
Touch Operation System		Elo Touch	Elo Touch	PenMount 6000	PenMount 6000

工業級顯示器



Model		Robust with True-flat IP66 Upgraded				
		FPM-7211W	FPM-7181W	FPM-7151W	NEW FPM-7151T	NEW FPM-7121T
Display	Display Type	Full HD	WXGA	WXGA	XGA	XGA
	Display Size	21.5"	18.5"	15.6"	15"	12.1"
	Max.Resolution	1920x1080	1366 x 768	1366 x 768	1024 x 768	1024 x 768
	Max.Colors	16.7M	16.7M	16.7M	16.7M	16.2M
	Luminance cd/m ²	300	300	400	400	600
	Viewing Angle (H/V°)	178/178	170/160	170/160	160/140	160/140
	Backlight MTBF (hrs)	50,000	50,000	50,000	50,000	50,000
Video Port		VGA/DVI-D	VGA/DVI-D	VGA/DVI-D	VGA/DP	VGA/DP
Touchscreen		Combo	Combo	Combo	Combo	Combo
OSD (onscreen display)		On rear side with lockable function	On rear side with lockable function	On rear side with lockable function	On rear side with lockable function	On rear side with lockable function
Power Input Voltage		100~240v (Adapter)	100~240v (Adapter)	100~240v (Adapter)	100~240v (Adapter optional)	100~240v (Adapter optional)
DC Power Input(voltage)		12v/24v	12v/24v	12v/24v	24v	24v
Operating Temperature (°C)		0 ~ 55	0 ~ 55	0 ~ 55	-20 ~ 60	-20 ~ 60
Storage Temperature (°C)		-20~60	-20~60	-20~60	-30 ~ 70	-30 ~ 70
Dimension		558.4 x 349.8 x 47.7 mm	488 x 309 x 47.7 mm	419.7 x 269 x 47.7 mm	383.2 x 307.3 x 48.2 mm	311.8 x 238 x 44.6 mm
Cut-out Dimension	Cut-out Dimension	550.3 x 341.8 mm	479.3 x 300.3 mm	412.4 x 261.7 mm	372.9 x 296.9 mm	301.6 x 227.6 mm
Weight		8kg	6kg	5kg	4.2kg	2.6kg
Certification		BSMI, CCC, CE, FCC Class A, UL	BSMI, CCC, CE, FCC Class A, UL	BSMI, CCC, CE, FCC Class A, UL	BSMI, CCC, CE, FCC Class A, UL	BSMI, CCC, CE, FCC Class A, UL
Operating System		WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux
Touch Operation System		PenMount 6000	PenMount 6000	PenMount 6000	PenMount 6000	PenMount 6000

工業級顯示器



Model		Regular Level Monitors		
		FPM-5191G	FPM-5171G	FPM-5151G
Display	Display Type	SXGA	SXGA	XGA
	Display Size	19"	17"	15"
	Max.Resolution	1280 x 1024	1280 x 1024	1024 x 768
	Max.Colors	16.7M	16.7M	16.2M
	Luminance cd/m ²	350	350	400
	Viewing Angle (H/V°)	170/160	160/140	160/140
	Backlight MTBF (hrs)	50,000	50,000	50,000
Video Port		VGA/DVI	VGA/DVI	VGA/DVI
Touchscreen		Combo	Combo	Combo
OSD (onscreen display)		On rear side with lockable function	On rear side with lockable function	On rear side with lockable function
Power Input Voltage		100~240v (Adapter Optional)	100~240v (Adapter Optional)	100~240v (Adapter Optional)
DC Power Input(voltage)		10-30v	10-30v	10-30v
Operating Temperature (°C)		0 ~ 50	0 ~ 50	0 ~ 50
Storage Temperature (°C)		-20~60	-20~60	-20~60
Dimension		481.93 x 384.6 x 59 mm	481.9 x 355.9 x 55 mm	449.92 x 315.63 x 50.5 mm
Cut-out Dimension	Cut-out Dimension	454 x 338 mm	454 x 338 mm	424 x 293 mm
Weight		10kg	8kg	6kg
Certification		BSMI, CCC, CE, FCC Class A, UL	BSMI, CCC, CE, FCC Class A, UL	BSMI, CCC, CE, FCC Class A, UL
Operating System		WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux
Touch Operation System		PenMount 6000	PenMount 6000	PenMount 6000

工業級顯示器



Model		Regular Level Monitors		
		FPM-2170G	FPM-2150G	FPM-2120G
Display	Display Type	SXGA	XGA	SVGA
	Display Size	17"	15"	12"
	Max.Resolution	1280x1024	1024x768	800x600
	Max.Colors	16.7M	16.2M	16.2M
	Luminance cd/m ²	350	400	450
	VieWIng Angle (H/V°)	160/140	160/140	160/140
	Backlight MTBF (hrs)	50,000	50,000	50,000
Video Port		VGA	VGA	VGA
Touchscreen		Combo	Combo	Combo
OSD (onscreen display)		On rear side with lockable function	On rear side with lockable function	On rear side with lockable function
Power Input Voltage		100 ~ 240V (Adapter)	100 ~ 240V (Adapter)	100 ~ 240V (Adapter)
DC Power Input(voltage)		12V	12V	12V
Operating Temperature (°C)		0 ~ 50	0 ~ 50	0 ~ 50
Storage Temperature (°C)		-20 ~ 60	-20 ~ 60	-20 ~ 60
Dimension		413.72 x 347.22 x 52.13 mm	383 x 307 x 48 mm	311 x 237 x 40.63 mm
Cut-out Dimension	Cut-out Dimension	400.92 x 334.42 mm	374.6 x 298.6 mm	303.3 x 229.3 mm
Weight		5.6kg	4.5kg	4kg
Certification		BSMI, CCC, CE, FCC, UL	BSMI, CCC, CE, FCC, UL	BSMI, CCC, CE, FCC, UL
Operating System		WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux
Touch Operation System		PenMount 6000	PenMount 6000	PenMount 6000

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研華認證周邊商品為您最終的採購夥伴，並驅動研華提供智能服務。研華超過30 個專業採購網及物流設施，我們提供全球最有競爭力價格、並於最短時間提供貨運服務。

研華全產品線及其周邊商品建構的全系列解決方案可符合您所需，若您所需產品不在我們服務範圍內，我們當地採購專員可提供因應特定廠商提出的產品及其週邊相關零件的需求

簡而言之，研華期許可以提供客戶最高效率的服務、最佳品質的產品、及最快捷貨運服務！



CPU



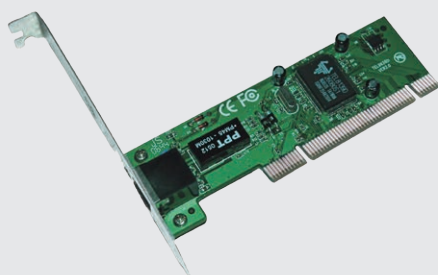
HARD DRIVE



MEMORY MODULE



COMPACT FLASH



RAID CARD



SOLID-STATE DRIVE



POWER SUPPLY

研華合作夥伴



ADAPTEC
RAID Adapter, Host Bus Adapter,
Cable & Accessory



INTEL
CPU Processor, Chipset, SSD



SKYNET ELECTRONIC CO.,LTD
Industry Power Supply Solutions, AT/ATX
PSU, Machinery, Medical, Switching
Adapter



AMD
CPU, Processor, Chipset



LG
Optical Drive, Display Panel



SONY
Blue-ray DVD Player



APACER
DRAM, Industrial Solid-State Drive Solution



LITEON
DVD ROM, Blue-ray Drive



SPARKLE COMPUTER
PCI Express (Peripheral Component
Interconnect Express), PCI, Accelerated
Graphics Port (AGP)



ATP ELECTONICS
Embedded Module, Industrial Flash
Card, Industrial Solid-State Drive, DRAM
Module



LOGITECH
Input device, Keyboard, Mouse, Camera



STARTECH
High-end Video Capture, Display Cards
Solution



AUSTIN HUGHES ELECTRONICS
Cabinet SmartCard Handle, Cabinet
Power Management, Cabinet Airflow
Solution, Cabinet Sensor System



LSI
SATA/SAS Host Bus Adapter, SATA/SAS
RAID, SAS Switch, Communication
Processor, Network Accelerator, Media
Processor



SWISSBIT
NAND Flash, DRAM Module



D-LINK
Access Points, Range Extender, Bridge,
Network Adapter, Cloud Access Point,
Modem and Gateway, Wireless Mobile
Broadband, USB



MICROSOFT
Computer Operating System, Computer Input
Device & Accessory



SYMANTEC
Anti-virus, Firewall Security Solution



EMERSON NETWORK POWER
AC Power/UPS, Connectivity, DC Power,
Embedded Computing, Embedded Power,
Fire Pump Controller, Industrial PowerAccess
Point, Modem and Gateway, Wireless Mobile
Broadband, USB



PANASONIC
Blue-ray DVD player



TOSHIBA
Hard Disk Drive



EVGA
Graphic Card



PLEXTOR
Blue-ray, DVD+/-RW, 2.5" SATA
Solid-State Drive, mSATA Solid-State Drive



TRANSCEND
Memory Modules, CF Card, SD Card,
Solid state Drive



FSP TECHNOLOGY INC.
Adapter, Industry, IPC PSU
(Power Supply Unit), Medical PSU, PC PSU,
Power Bank, UPS



SAMSUNG
Memory, Monitor, Printer, Blue-ray DVD
Player



VIRTUUM TECHNOLOGY
Solid-State Drive, Memory Module



HIGHPOINT TECHNOLOGY
RAID/Host Bus Adapter, JBOD Expander,
Solution, RocketStor, HPTMac



SEAGATE
Hard Disk Drive, Storage Solution



WESTERN DIGITAL
Hard Disk Drive, Storage Solution



INNODISK
Solid-State Drive, SATA-DOM, SATA Slim,
mSATA, CF-SATA, CF Card, Embedded
Disk Card, SD Card, USB, NanoSSD



SIIG
Serial/Parallel, Industrial I/O, Device Servers,
USB, FireWire, Controllers/Storage, Cables,
Multimedia, Keyboards, Networking



ZIPPY TECHNOLOGY CORP.
Industry Power Supply, Switch, Power
Supply

CPU



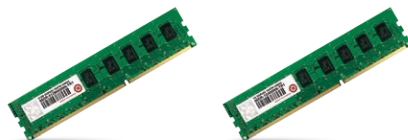
Product	96MPI5-3.0-6M11T	96MPI5-3.1-6M11T	96MPI5-2.66-8M11T	96MPI5-3.33-4M11T
Product Description	INTEL CORE 3.0G 6MB 1155P 4 CORE I5-3550S(G)	INTEL CORE 3.1G 6MB 1155P 4 CORE I5-2400(G)	INTEL CORE 2.66G 8MB 1156P 4 CORE I5-750(G)	INTEL CORE 3.33G 4MB 1156P 2 CORE I5-660(G)
Manufacturer Part Number	CM8063701095203 (I5-3550S/SR0P3)	CM8062300834106 (I5-2400)	BV80605001911AP (I5-750/SLBLC)	CM80616003177AC (I5-660/SLBLV)
Processor Number	I5-3550S	I5-2400	I5-750	I5-660
Code Name	Ivy Bridge	Sandy Bridge	Lynnfield	Clarkdale
Socket Type	LGA1155	LGA1155	LGA1156	LGA1156
Clock Speed	3 GHz	3.1 GHz	2.66 GHz	3.33 GHz
Bus Speed	5GT/s	5GT/s	2.5GT/s	2.5GT/s
Smart Cache	6MB	6MB	8MB	4MB

Hard Drive



Product	96HD300G-SS-SG15K1	96HD1T-SS-SG7KE	96HD2T-SS-SG7KE
Product Description	SEAGATE 3.5" 300G SAS 15K RPM 16MB 25.4MM 6GB/S	SEAGATE 3.5" 1TB SASIII 7K RPM 128MB 26.1MM 24X7	SEAGATE 3.5" 2TB SASIII 7K RPM 128MB 26.1MM 24X7
Manufacturer	SEAGATE	SEAGATE	SEAGATE
Capacity	300G	1T	2T
Model Generation	CHEETAH 15K.7	Constellation® ES.3 SAS	Constellation® ES.3 SAS
Size	3.5 IN	3.5 IN	3.5 IN
Interface	SAS	SAS	SAS
Application	Server Storage	Server Storage	Server Storage

Memory



Product	96DR-512M400NN-TR1	96DR-1G400NN-TR1
Product Description	512M DDR400 184PIN 64MX8 SAMSUNG CHIP	1G DDR400 184PIN 64MX8 SAMSUNG CHIP
Capacity	512M	1G
Chip Manufacturer	SAMSUNG	SAMSUNG
Chip Organization	64M X 8	64M X 8
Rank	1 Rank	2 Rank

SSD



Product	96FD18-S80-INB	96FD18-S240-INB
Product Description	IntelSSD DC S3500 80GB 1.8" SATAIII MLC 5mm	IntelSSD DC S3500 240GB 1.8" SATAIII MLC 5mm
Manufacturer Part Number	SSDSC1NB080G4	SSDSC1NB240G4
Manufacturer	INTEL	INTEL
Capacity	80G	240G

CF Card



Product	96FMCFI-2G-ET-AP4	96FMCFI-2G-ET-TR3	96FMCFI-4G-ET-AP4	96FMCFI-4G-ET-TR3
Product Description	APACER 2G CF CARD WITH SLC NAND FLASH EXTENDED TEMP AND ULTRA DMA	TRANSCEND 2G CF 200X INDUSTRIAL GRADE WITH EXTENDED TEMP	APACER 4G CF CARD WITH SLC NAND FLASH EXTENDED TEMP AND ULTRA DMA	TRANSCEND 4G CF 200X INDUSTRIAL GRADE WITH EXTENDED TEMP
Manufacturer	APACER	TRANSCEND	APACER	TRANSCEND
Capacity	2G	2G	4G	4G
Reading Transfer Rate	29MB/S	28MB/S	29MB/S	28MB/S
Writing Transfer Rate	15MB/S	20MB/S	15MB/S	21MB/S

Power Supply



Product	96PS-A500WPS2	96PS-A700WPS2	96PS-A250WSFX
Product Description	FSP AC 100-240V 500W W/PFC PS2	FSP AC 100-240V 700W W/PFC PS2	FSP AC 100-240V 250W W/PFC SFX
Application	SPS	SPS	SPS

RAID Controller



Product	96RC-SAS-4P-PE-LS	96RC-SAS-4P-PE-LS2	96RC-SAS-4P-PE-LS3	96RC-ST-4C-P-HP
Product Description	LSI RAID SAS/SATA 4 CHANNELS 6GB/S PCIEX8(G)	LSI RAID SAS 4 CHANNELS 6GB/S 512M PCIEX8(G)	LSI RAID SAS 4 CHANNELS 6GB/S 1G PCIEX8(G)	HIGHPOINT RAID 10 SATAII 4 CHANNELS PCI(G)
Manufacturer	LSI	LSI	LSI	HIGHPOINT
Controller Type	Host Bus	Hardware RAID	Hardware RAID	Host Bus
On-Board Memory	N/A	512MB	1GB	N/A
RAID Level	0, 1, 10, 5, JBOD	0, 1, 10, 5, JBOD	0, 1, 5, 6, 10, 50, JBOD	0, 1, 10, 5, JBOD
Backup Battery Option	N/A	96RC-IBBU07-LS	96RC-IBBU09-LS	N/A

Video Card



Product	96VG-512M-PE-EV6	96VG-512M-P-EV	GFX-A3T5-61FST1	GFX-A3T5-71FST1
Product Description	EVGA NVIDIA210 512M PCIe VGA+DVI+HDMI FANSINK	EVGA NVIDIA 6200 512M PCI VGA+DVI HEATSINK	ADVANTECH HD5450 512MB PCI DVID+HDMI+VGA FS FANSINK	ADVANTECH HD5450 512MB PCI-E1X DVID+HDMI+VGA FS HEATSINK
Manufacturer	EVGA	EVGA	ADVANTECH	ADVANTECH
Interface	PCI-E	PCI	PCI	PCI-E 1X

IP Camera



Product	96CM-B2MNE-SM-1	96CM-B3MWE-SM-1	96CM-B3MWE-SM-2	96CM-B3MWE-SM-3
Product Description	SMAX 2 MEGAPIXEL MINI BULLET IP CAMERA WITH TRUE DAY/NIGHT VIEWING	ISMAX 3 MEGAPIXEL DAY/NIGHT WEATHERPROOF BULLET IP CAMERA	SMAX 3 MEGAPIXEL DAY/NIGHT WEATHERPROOF BULLET IP CAMERA	SMAX 3 MEGAPIXEL BULLET IP CAMERA WITH ONVIF COMPLIANT AND TWO-WAY AUDIO
Manufacturer Part Number	SIU5130	SIU7117	SIU7127	SIU7323
Manufacturer	SMAX	SMAX	SMAX	SMAX
Trim	(B)ullet	(B)ullet	(B)ullet	(B)ullet
Resolution	2M	3M	3M	3M
Sensor Function	(N)ormal	(W)DR	(W)DR	(W)DR
PoE	YES	YES	YES	YES
Wireless	NO	NO	NO	NO
Max Resolution	N/A	2052H x 1536V	2048H x 1536V	2048H x 1536V
Lens Type	FIX LENS	FIX LENS	VARI-FOCAL LENS	VARI-FOCAL LENS
Focal Length	4.0MM	6.0MM	3.3-12.0MM	3.3-9MM

Optical Drive



Product	96DVR-24X-ST-LT-B	96DVR-24X-ST-LG4
Product Description	LITEON 24X SATA DVD+/-RW BLACK(G)	LG 24X SATA DVD /-RW DUAL LAYER (G)
Manufacturer	LITEON	LG
Type	DVD-RW	DVD-RW
Speed	24X	24X

研華全方位嵌入式軟體服務

研華提供的嵌入式軟體服務，能讓客戶輕鬆地與硬體整合，縮短開發時間並降低開發成本，提供您最信賴的軟硬加值方案。身為微軟官方授權代理商的研華，同時也提供Acronis和McAfee等嵌入式加值軟體，提供合作夥伴與客戶快速且全面的整合服務！

研華提供您專業可靠的嵌入式軟體服務：

- 軟體採購規劃與諮詢
- 原廠認證工程師技術支援
- 正版授權軟體
- 加值工具包
- 軟體開發實作班

Windows Embedded OS



- 10年技術支援
- 15年供貨保證
- 客製化作業系統

Windows Embedded 提供完整的作業系統與工具套件，能夠讓裝置製造商縮短產品上市時間，並提升具連線功能的裝置效能。運用 Windows Embedded 技術的嵌入式系統可讓組織連接 IT 基礎結構、提高員工效率，以及提升客戶滿意度。

產品大項：

Microsoft

Industry系列: Win 8.1 Industry Pro/ Pro for Retail/ Pro for tablet/ Pro for small tablet

Pro系列: Win 8.1 Pro/ Win 8 Pro/ Win 7 Pro/ Win XP Pro

Standard系列: WES 8/ WES 7/ WES 2009/ XPE

POSReady系列: POSReady 7/POSReady 2009

Win Server系列: WinSvr 2012R2/ WinSvr 2012/ WinSvr 2008R2/ WinSvr 2008/ WinSvr 2003R2

SQL Server系列: SQLSvr 2014/ SQLSvr 2012/ SQLSvr 2008R2/ SQLSvr 2008/ SQLSvr 2005

Embedded Recovery Solution (Acronis)



- 一鍵系統還原
- 人性化使用介面
- 客製化備份需求

Acronis系統還原解決方案幫助客戶節省停機成本，它的「一鍵還原」功能可讓故障的系統在幾分鐘內快速還原，省去不必要的重啟時間；更因為它好用易懂的介面，讓客戶輕鬆建立可開機的DVD及USB的儲存媒體，無須倚靠專業技術人員，即可靈活彈性備份或還原系統文件、數據資料。

產品大項：

Acronis

Acronis True Image Personal 2014

Acronis True Image 2014 Premium

Acronis Server Backup OEM 2013 w/UR

Acronis Backup for Windows Server

Embedded Security Solution (McAfee)



- 白名單技術
- 防止零時差攻擊
- 軍事等級安全防護

McAfee 嵌入式安全軟體是業界第一款針對嵌入式設備打造的安全解決方案，McAfee不僅防止未經授權的更改，不同於一般傳統防毒軟體的是，若遭駭客惡意侵襲時，McAfee可根據白名單的設定，允許已知的應用程式執行，並禁止其他程式運作，以最少的維護成本為您的設備系統進行更積極且有效率的安全監控！

產品大項：

McAfee

McAfee Integrity Control

McAfee Embedded Control

McAfee Application Control with ePO

McAfee Application Control without ePO

以智能系統開創物聯網時代

加速雲端運算，智能網通及智能影像

雲端運算

工業伺服器

儲存設備

網路通訊

可靠傳遞

3G

4G

Wifi

ZigBee

智能系統平台

ADVANTECH

WebAccess+IVS

ADVANTECH

WebAccess/NMS

智能交通平台

智能系統平台

刀鋒運算系統

智能影像平台

智能無線平台

串列設備伺服器

系統彈性組裝

設備製造商

智能影像

智能交通

雲端及網路通訊

醫療影像

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Enabling an Intelligent Planet

關於研華

研華科技創立於1983年，是全球智慧系統產業的領導廠商，為客戶提供全方面的軟硬體、系統整合解決方案及專業設計製造服務，以先進的資訊系統保障全球高效營運。其三大事業群組織專注於自動化市場、嵌入式電腦市場及智慧服務市場，聯合多家合作夥伴形成了強大的技術服務和行銷網路，為客戶提供真正全球化佈局、本土化回應的便捷服務。研華以“智慧地球的推手”為企業使命，並以“驅動智慧城市創新 共建物聯產業典範”為目標，協助各產業加速其智慧化經營，立志成為智慧城市及物聯網領域中最具關鍵影響力的全球企業。

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