UPOS-510 Series
Industrial-Grade Modularized POS System for Diverse Applications

UPOS-510 is a modern, sleek industrial-grade fanless POS system with IP65-rated front panel protection that features built-in Intel® Celeron® J1900/ Core™-i processor for extreme performance. The modular monitor and peripheral design enables various application supports. The highly expandability I/O design and various secondary display supports can fulfill all type of retail and hospitality applications.

Stylish, Slim POS System with Modular Design

UPOS-510 is a modern looking, slim and powerful POS system with true-flat design. The 15" modular monitor can also be installed as secondary display and can be a digital signage monitor to fulfill various applications in retail and hospitality.
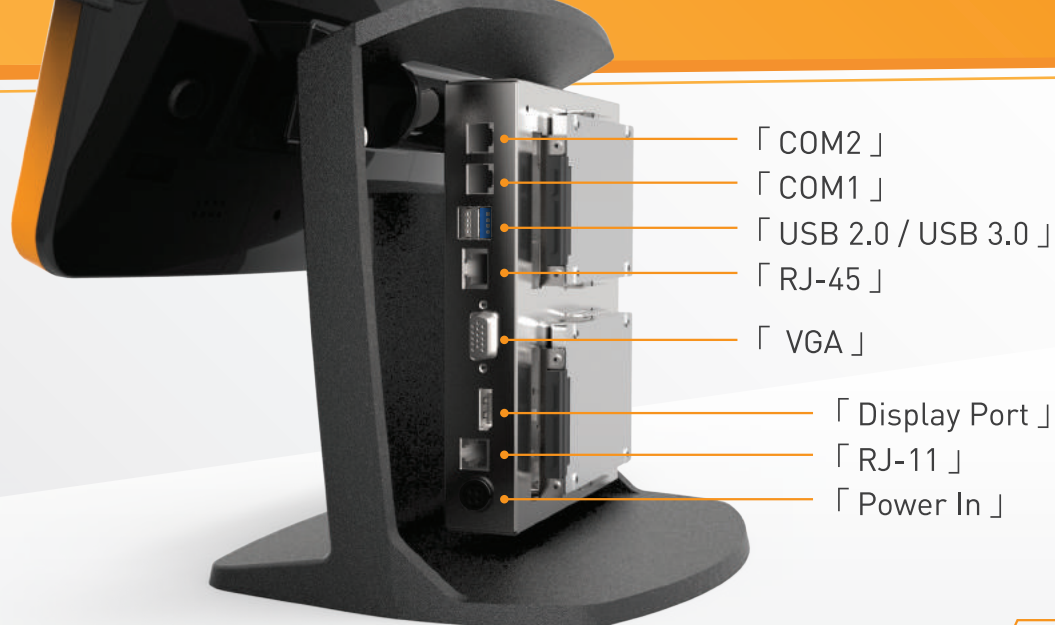

Support Various Secondary Display for Improved Purchase Experience

UPOS-510 features a modular design that allows the system to support various types of secondary displays and digital signage devices. It can also be integrated with Advantech's AIM-37 (Serving as the secondary display) for providing additional advertising space to increase potential purchase opportunities.

Highly Expandable I/O and Superior Data Storage Support

UPOS-510 is equipped with easy-access HHD and USB ports, as well as highly expandable I/O. The system's screw-free rear cover enables easy removal and snap fitting for convenient HDD updates and maintenance. It also incorporates RAID technology to ensure superior storage reliability and database recovery capabilities.

ADVANTECH iRetail

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「COM2」
「COM1」
「USB 2.0 / USB 3.0」
「RJ-45」
「VGA」
「Display Port」
「RJ-11」
「Power In」

UPOS-510D with Intel® Celeron® J1900 processor

UPOS-510F with Intel® Core™- i3 / i5 processor

Various Peripherals

「Power Button」

IP65-rated Front Panel Protection

USB Connector for Easy Maintanance

		UPOS-510D	UPOS-510F
System	CPU	Intel® Celeron® J1900	Intel® Celeron® 3955U/ Core™ i3-6100U/ Core™ i5-6300U 3MB cache memory
	Cache Memory	SATA II (3.0Gb/S)	
	System Memory	SODIMM x 1 (Maximum up to 8GB DDR3L)	SODIMM x 1(Maximum up to 16GB DDR4-2133)
	Expansion	1 x Full-size mini PCIe (for mSATA/Wi-Fi/BT)	
Storage	HDD	1 x 2.5" SATA HDD/SSD Bay	2 x 2.5" SATA HDD/SSD Bay
	SATA	SATA II (3.0Gb/S)	SATAIII (6.0Gb/S)
Display	Resolution	15" TFT LCD (1024 x 768) with LED backlight	
	Brightness	250 cd/m²	
	Touch Screen	P-Cap Touch (Controller on Touch Board)	
Optional Modules	Serial Port	2 x RS-232 (RJ48 with 5V/12V by internal jumper, 1A selectable)	
	USB Port	1 x USB 2.0, 1x USB 3.0	2 x USB 3.0
	Vedio Output	1 x VGA1 Port (DSUB-15) 1 x Display Port (Reserved for BOX PC)	
	Audio Output	1 x Line-Out & Mic-In	
	Ethernet	1 x RJ-45 Gigabit Ethernet(10/100/1000)	
	Cash Drawer	1 x RJ11 (12V (Default) /24V by internal switch jumper)	
	DC In	60W	90W
	Power Button	Power switch with internal LED indicator	
Optional Modules	Color	15"/ 10.1" TFT LCD (Touch/Non-Touch)	
	Peripherals	• MSR • MSR + iButton • MSR + Fingerprint • MSR + RFID	
	Connectivity	Wi-Fi (802.11 b/g/n), Bluetooth	
Mechanical & Environmental	Color	Black/white/custom	
	Operating Temperature	0 ~ 40° C (32 ~ 104° F)	
	Humidity	10 ~ 95% @ 40° C non-condensing	
	Certifications	CE/FCC/CCC	
Software	OS Support	Win 10, Win 8.1, Win 8, Win 7, POS Ready 7	