ADVANTECH iRetail

AIM-30 Series

Industrial Mobile POS System for
Retail and Hospitality Service

12,000h | IP 54 | NFC | MSR | BARCODE | 8h+

www.advantech.com

AIM-33

5" Handheld POS System

AIM-33 is a mobile point-of-sale (mPOS) terminal designed for efficient and immediate order and payment processing operations. Targeted to the retail and hospitality industries, AIM-33 aims to satisfy demands for a lightweight yet rugged unit with an optimized price point to provide users with a versatile solution ideal for diverse application scenarios. The AIM-33 terminal also supports integration with various peripherals, such as payment module, 1/2D barcode scanner or 13 camera, for extending the system functions and capabilities to ultimately enhance the customer shopping experience, streamline operations, and increase productivity.

Industrial-Grade mPOS Delivers a Secure Open-Platform Operating Environment

AIM-33 is industry-grade Android-based handheld mPOS that provides a secure open-platform environment. Users must be authorized to download the APP via installing the program package, which thereby enhances the data security of retail-grade handheld terminals.

Built-in MSR, IC Card Reader, and NFC Reader to Support Diverse Payment Options

AIM-33 can be integrated with diverse peripherals (i.e., an MSR or NFC reader) that support payment via membership card, or mobile payment schemes, such as Electrical Wallet, to enable mobile payment services in the retail and hospitality industries.

Highly Configurable and Customizable Design Suitable for Diverse Applications

As a modular mPOS system, AIM-33 can be easily customized and configured according to specific usage requirements. For example, AIM-33 can be equipped with various optional peripherals, such as a 1/2D barcode scanner for conducting inventory management and mobile service processing.

Real-Time Data Transmission via 4G LTE/Wi-Fi/Bluetooth

With built-in wireless technology (4G LTE/Wi-Fi/Bluetooth), AIM-33 supports cloud-based database updates and management that to enable real-time transmission for better data protection.

How Can AIM-33 Improve Store Operation

Advantech AIM-33 provides mobility service with efficient mobile order processing, and also integrates with diverse peripherals to support various applications that can enhance the customer shopping experience, streamline operations, and increase business opportunities.

Hospitality

- Integrated with MSR, IC card and NFC reader, AIM-33 can realize mobile payment service via member card or mobile payment schemes.

- AIM-33 supports efficient ordering and payment with 10 hours plus operation for increased productivity and service speed.

Filed Service

- Multiple payment system enables mobile payment service for package delivery services

- AIM-33 enables real-time data transmission by 4G LTE that can supports cloud-based database update for better filed service management.

Retail Store

- AIM-33 features a highly expandable design which can support various peripherals connections such as 2D barcode scanners for efficient inventory management.

- For secure handling, AIM-33 offers 75 cm drop protection and is also equipped with a wrist strap to further protect against dropping.

AIM-37

12,000h | 8h | BARCODE | Bluetooth | WI FI | 4G LTE

10.1" Multi-Functional Tablet POS System

AIM-37 is an industrial-grade mobile point-of-sale (mPOS) system with a built-in barcode scanner and HD Corning® Gorilla® Glass display offering up to 12,000 hours of MTBF. The system design is surprisingly thin (17 mm) with an IP54-rated front panel protection from water and dust, as well as a directly bonded touchscreen with water tolerance and palm rejection for enhanced operation. AIM-37 also supports Windows and Android OS and optional modules configurations for flexible operations. Additionally, AIM-37 can be integrated with various peripherals and flexible installation mounts to support diverse applications.

Directly Bonded Touchscreen Design for Better User Experience

AIM-37 features a directly bonded touchscreen that can reduce ray refraction for more comfortable viewing and provide better visibility for the better product showcasing experience.

High Expandability Facilitates Provision of Enhance Service and Productivity

AIM-37 can serve as an all-in-one service terminal that offers customers an enhanced service experience via USB 2.0/pogo pin connector. Additionally, AIM-37 can be integrated with a unique docking station to function as a mini POS system with rich I/O support for diverse applications.

IP54-Rated with Water Tolerance Enhances Store Operations

The IP54-rated protection and water tolerance design protects against water, oil, and dust, while preventing water from interfering with sensor functions to make AIM-37 the ideal POS system for commercial catering and hospitality applications.

Supports Multiple OS and Optional Modules Configurations to Ensure Flexible Operations

AIM-37 supports Windows and Android and optional modules, including a magnetic stripe reader, IC card reader, 2D barcode scanner, and 4G/3G WWAN module, to enable flexible application for a wide range of operations.

How Can AIM-37 Improve Store Operation

Advantech AIM-37 offers mobility service which enables high portability, flexible installation, and multiple payment supports that can not only bring the one-stop-shop experience to enhance store operation, but also can fulfill various applications in retail and hospitality industry.

Hospitality

▪ AIM-37 supports IP-54 rating to protect against water and oil to make it the ideal mobile POS system for hospitality services.

▪ For better users' experience, AIM-37 can be integrated as a secondary customer display for Checkout POS Terminals providing interactive promotions for potential new purchase opportunities.

Hypermarket

▪ AIM-37 integrated with a 2D barcode scanner can support fast barcode scanning for inventory management.

▪ AIM-37 with its high expandability design enables various peripherals connections to support diverse applications such as stand-alone POS systems or price checkers.

Retail Store

▪ AIM-37 features a 10.1" Industrial-grade panel with a direct bonding design that enables more vivid and comfortable viewing and better visibility for assisted-shopping services.

▪ With built-in multiple peripherals, such as 2D barcode scanner, NFC and IC card reader, AIM-37 is the compact and economic all-in one terminal for various in-store services.

AIM-30 Series | I/O Interface & Peripherals

AIM-33

A: MSR
B: IC Card Reader
C: NRF Reader Module
   (under screen panel)
D: Camera with LED flash
E: LED indicators
F: Function Keys
G: Wristband slot
H: Connector
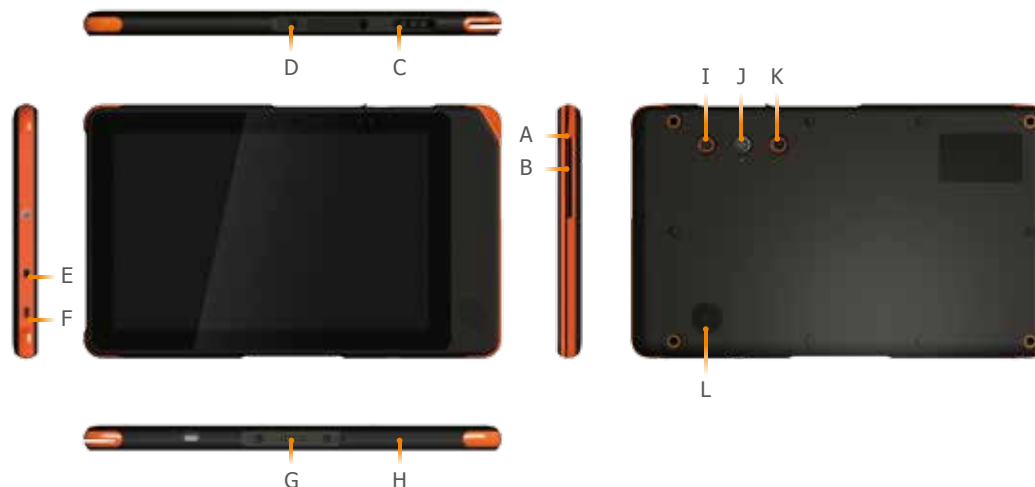   (DC-in, USB 2.0and UART)
I: Power Key
J: Scanner trigger

Barcode Scanner

AIM-37

A: MSR
   (Magnetic Swipe Card Reader)
B: IC Card Reader
C: 2D Barcode Scanner
D: Micro SD Slot
E: 3.5" Audio Combo Jack
F: Kensington Lock Slot
G: Pogo Pin (DC-in and USB 2.0)
H: Micro USB (2.0)
I: Scanner Trigger
J: 5MP Camera with LED Flash
K: Power bottom
L: Speaker

Stand

A. POGO pin connector
B. Printer cutter
C. Replace paper button
D. Metal Dome Mylar
   - Feed button
   - Power LED
   - Error LED
   - Out of paper LED
E. Expendable I/O Interface
   - 1 x DC-IN
   - 2 x USB 2.0 Type A
   - 2 x COM Port (RJ45)
   - 1 x Cash Drawer (RJ11)

AIM-30 Series | Specifications

		AIM-33
Processor	CPU	Cortex-A53, quad-core processor, 1.3 GHz
OS		Support Android 5.1
Memory		1GB (Up to 2GB)
Storage		8GB (Up to 16GB)
Audio System		Speaker, Microphone
Display	Size / Type Max. Resolution Brightness (cd/m2)	5" color touch screen, TFT LCD HD (1280 x 720) 450 cd/m² LED back light
Touch Panel		Capacitive multi touch screen
Application Buttons		Power button x 1 Quick button (Barcode/Camera) x1 Function keys x 3
I/O Port		1 x MicroSD (up to 32GB) 1 x MicroUSB 2.0 client 1 x Unique connector with UART and DC-IN
Communication	WLAN	Internal 802.11a/b/g/n WLAN module
	Bluetooth	BT4.0 LE + 3.0HS, NFC support
	GPS	GPS, Beidou and Glonass
	RFID (Contactless)	13.56 MHz; ISO 14443 Type A/B; ISO/IEC 15693; MIFARE; qPBOC; NFC
	WWAN	Dual SIM support, 4G/3.75G/2.5G
	MSR	3-Track MSR with 3-DES encription; Built-in Triple DES and AES Encryption; DUKPT key management
	IC Card Reader	5V smart card; ISO/IEC 7816-1, 2, 3, 4; T=0 & T = 1
Data Collection		13M pixel camera with LED flash light 1D/2D barcode scanner (optional)
Dimensions & Weight		16 x 8.2 x 1.8 cm, 295 g (with battery)
Power	Battery	Li-Polymer battery, 4.2V @ 3200mAH
Environment	Operating Temperature	0 ~ 40° C
	Storage Temperature	0 ~ +60° C
	Operating Humidity	20% ~ 90%, non-condensing
Seal		Water splash resistence at front surface
Package Bundle		Power Adapter with Micro USB connector (5V, 1A)
Certifications		CCC, CE, FCC, NCC, BSMI

		AIM-37AT-M	AIM-37AT-S
Processor	CPU	Intel®Atom™ X5-Z8350, quad-core processor, 1.84 GHz	
OS		Windows 10 IoT Enterprise	Windows 10 IoT Enterprise / Android 6.0.1
Memory		2 GB	
Storage		32 GB	
Audio System		Speaker, 3.5mm headset jack	
Display	Size / Type	10" color touch screen, IPS TFT LCD	
	Glass Type	Corning Gorilla Glass 3 with Native Damage Resistence	
	Max. Resolution	WXGA (1280 X 800)	
	Brightness (cd/m2)	350 cd/m² LED back light	
	Bonding	Direct Bonding	
	Coating Features	Anti-Glare, Anti-Fingerprint	
Touch Panel		10 Points Capacitive multi touch screen with glove mode; supporting stylus and works when water puddle on the surface	
Application Buttons		Power button x 1 Scanner trigger buttons x 1	1 x Power button 1 x Scanner trigger button 1 x Volume Adjustment (+/-)
I/O Port		1 x MicroSD (up to 32GB) 1 x MicroUSB 2.0 OTG 1 x Pogo Pin (with USB 2.0 host and DC-In) 1 x Kensington-lock for anti-theft	1 x MicroSD (up to 32GB) 1 x MicroUSB 2.0 OTG 1 x Pogo Pin (with USB 2.0 host and DC-In) 1 x Kensington-lock for anti-theft 1 x Micro SIM (optional)
Communication	WLAN	Internal 802.11b/g/n WLAN Module	
	Bluetooth	3.0HS+4.0LE	
	RFID (Contactless)	13.56 MHz; ISO 14443 Type A/B; ISO/IEC 15693; MIFARE; NFC	
	WWAN	N/A	Optional internal 4G/3G Module
	MSR	3-Track MSR with 3-DES encription; Built-in Triple DES and AES Encryption; DUKPT key management	N/A
	IC Card Reader	5V smart card; ISO/IEC 7816-1, 2, 3, 4; T=0 & T = 1	N/A
	Sensors	G-Sensor, Ambient Light Sensor	
Data Collection		1D/2D barcode scanner (optional), 5M pixel auto-focus main camera and 2M pixel fixed-focus front camera	
Dimensions & Weight		290 x 176 x 17.4 mm, 998 g (with battery)	
Power	Battery	Li-Polymer battery, 3.8V@7900 mAh	
Environment	Operating Temperature	0 ~ 40° C	
	Storage Temperature	-20 ~ +60° C	
	Operating Humidity	5% ~ 95%, non-condensing	
IP Certification		IP54 (without MSR and ICC Readers)	Full set IP54
Package Bundle	MPOS-50	Power Adapter (5V, 3A) MicroUSB data power cable	
Certifications		CCC, NCC, CE, FCC, BSMI	

Learn More about
Advantech Intelligent Retail Solutions

ADVANTECH **iRetail**