

AIM-37

10.1" Industrial Tablet-Based Mini POS System



Features

- Industrial-Grade Panel with Anti-Glare, Anti-Fingerprint LCD display
- Equipped Gorilla® Glass 3 against scratch
- Built-in 2MP front camera and 5MP back camera
- IP54-Rated with water tolerance enhances operation
- Supports glove and stylus with palm detection to expand usability
- Built-in NFC Reader for various service
- Optional Built-in MSR / IC card reader/ 2D barcode scanner
- Expandability USB 2.0 Pogo Pins
- Battery supports up to 8 hours operation
- Support 75 cm native free drop protection without external protection
- Supports Android 6.0.1 & Windows 10 IoT Enterprise Operating Systems
- Swivel charging cradle with 80mm thermal printer
- USB.COM port, cash drawer expansion



Introduction

AIM-37 is an industrial-grade mobile point-of-sale (mPOS) system with a built-in barcode scanner and HD Corning® Gorilla® Glass display. 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 multiple 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.

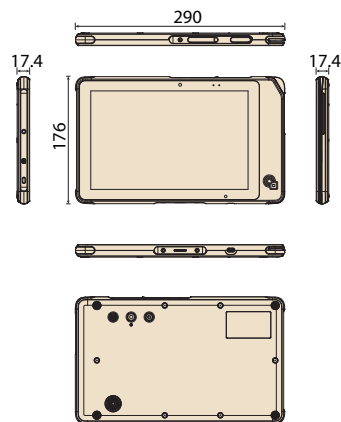
Specifications

		AIM-37AC-M	AIM-37AC-S	AIM-37AT-S
System	Processor	Intel® Atom™ qual-core x5-Z8350 Processor (up to .92GHz)		
	Memory	4GB DDR3L		
	OS	Windows 10 IoT Enterprise	Windows 10 IoT Enterprise, Android 6.0	
Storage	eMMC	64GB		32GB
	Micro-SD	Micro-SD Card Slot for Storage Expansion up to 128GB		
Display	Type	10.1" TFT IPS LCD Panel		
	Resolution	WXGA, 1280x800		
	Brightness	350 nits		
	Touch Type	Projected Capacitive Multi-Touch		
Communication	WLAN/Bluetooth	IEEE 802.11 a/b/g/n/ac		IEEE 802.11 b/g/n
	Bluetooth	Bluetooth® v4.2		Bluetooth® v4.0
	NFC	13.56 MHz, compatible with ISO15693, ISO14443A, ISO 14443B, FeliCa		
	Standard I/O	x1 Micro USB 2.0 (OTG & Charging)		
Connectivity	Docking	x1 AIM Dock 6-pin Pogo Connector: USB 2.0 + Power		
	Speaker	1 x Internal Speaker (2W)		
Audio	Audio Jack	x1 80dB 1Watt SPK 0.5M, x1 Audio combo jack		
	Front	2MP Fixed Focus		
Camera	Rear	5MP Auto Focus with LED Flash		
	Sensors	G-sensor + E-compass, Gyroscope, ALS		
Barcode Scanner		Integrated 1D/2D barcode scanner	Integrated 1D/2D barcode scanner (optional)	
Security		Kensington security slot		
MSR		3-Track MSR with 3-DES encryption; Triple DES and AES Encryption; DUKPT key management	N/A	N/A
IC Card Reader		EMV L1/L2 Certified 5V IC Card Reader; ISO/IEC 7816-1, 2, 3, 4; T=0 & T=1; supports TDES and AES encryption algorithms	N/A	N/A
Control Buttons		x1 Power Button x1 Functional Button	x1 Power Button x1 Functional Button x2 Volume Control Button	
	System Indicator	x1 Power / Battery Status x1 Barcode Scanner Status		
Power System	Input Voltage	Micro USB, DC 5V, Max 3A 6-pin Pogo Connector, DC 5V, Max 3A		
	Battery	Embedded Lithium-ion battery, Soft Pack (1S2P): 3.8V 7,900mAh (30 Watt) Operating time: up to 8 hours (depending on usage scenario) Charging time: 4 hr		
Environment	Operating Temperature	-10 ~ 50 °C (14 ~ 122 °F)		
	Storage Temperature	-10 ~ 60 °C (14 ~ 140 °F)		
	IP Rating	IP54 (Except MSR / IC Card slot)	IP54	
	Humidity	Operating and Storage: 5% ~ 95% (non-condensing)		
Physical Characteristics	Dimension (W x D x H)	290 x 176 x 17.4 mm		
	Weight	915g	900g	
	Color	Black + Orange	Black + Cool Gray	
Certifications		CE, FCC, CB, UL, NCC, BSMI, CCC		

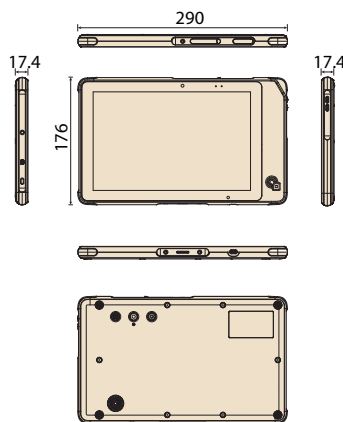
Dimensions

Unit: mm

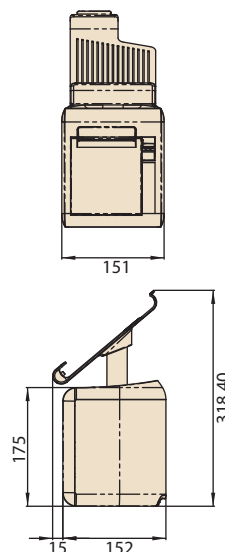
AIM-37AC-M



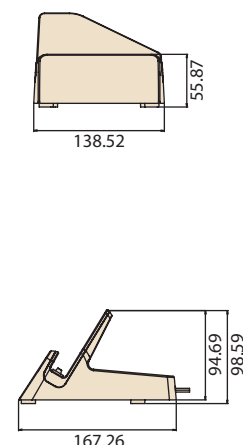
AIM-37AC-S & AIM-37AT-S



AIM-P701



AIM-P708



Ordering information

Part Number	CPU	Memory	Storage	NFC/BT	WIFI	F-cam	R-cam	MSR/ICC	BCR	OS	Color	Adapter Plug
AIM-37AC-M0ST0110	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP	V	V	Win10 IOT Enterprise	Orange+Black	US
AIM-37AC-M5ST0110	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP	V	V	Win10 IOT Enterprise	Orange+Black	CN
AIM-37AC-M6ST0110	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP	V	V	Win10 IOT Enterprise	Orange+Black	UK
AIM-37AC-M7ST0110	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP	V	V	Win10 IOT Enterprise	Orange+Black	EU
AIM-37AC-S0GR0100	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP			Win10 IOT Enterprise	Gray+Black	US
AIM-37AC-S5GR0100	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP			Win10 IOT Enterprise	Gray+Black	CN
AIM-37AC-S6GR0100	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP			Win10 IOT Enterprise	Gray+Black	UK
AIM-37AC-S7GR0100	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP			Win10 IOT Enterprise	Gray+Black	EU
AIM-37AC-S0GR0110	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP		V	Win10 IOT Enterprise	Gray+Black	US
AIM-37AC-S5GR0110	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP		V	Win10 IOT Enterprise	Gray+Black	CN
AIM-37AC-S6GR0110	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP		V	Win10 IOT Enterprise	Gray+Black	UK
AIM-37AC-S7GR0110	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP		V	Win10 IOT Enterprise	Gray+Black	EU
AIM-37AC-S0GR1100	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP			Android 6.0	Gray+Black	US
AIM-37AC-S5GR1100	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP			Android 6.0	Gray+Black	CN
AIM-37AC-S6GR1100	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP			Android 6.0	Gray+Black	UK
AIM-37AC-S7GR1100	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP			Android 6.0	Gray+Black	EU
AIM-37AC-S0GR1110	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP		V	Android 6.0	Gray+Black	US
AIM-37AC-S5GR1110	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP		V	Android 6.0	Gray+Black	CN
AIM-37AC-S6GR1110	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP		V	Android 6.0	Gray+Black	UK
AIM-37AC-S7GR1110	Intel® Atom. x5-Z8350	4GB	64GB	V	a/b/g/n/ac	2MP	5MP		V	Android 6.0	Gray+Black	EU
AIM-37AT-S0GR0	Intel® Atom. x5-Z8350	2GB	32GB	V	b/g/n	2MP	5MP			Win10 IOT Enterprise	Gray+Black	US
AIM-37AT-S5GR0	Intel® Atom. x5-Z8350	2GB	32GB	V	b/g/n	2MP	5MP			Win10 IOT Enterprise	Gray+Black	CN
AIM-37AT-S6GR0	Intel® Atom. x5-Z8350	2GB	32GB	V	b/g/n	2MP	5MP			Win10 IOT Enterprise	Gray+Black	UK
AIM-37AT-S7GR0	Intel® Atom. x5-Z8350	2GB	32GB	V	b/g/n	2MP	5MP			Win10 IOT Enterprise	Gray+Black	EU
AIM-37AT-S0GR1	Intel® Atom. x5-Z8350	2GB	32GB	V	b/g/n	2MP	5MP			Android 6.0	Gray+Black	US
AIM-37AT-S5GR1	Intel® Atom. x5-Z8350	2GB	32GB	V	b/g/n	2MP	5MP			Android 6.0	Gray+Black	CN
AIM-37AT-S6GR1	Intel® Atom. x5-Z8350	2GB	32GB	V	b/g/n	2MP	5MP			Android 6.0	Gray+Black	UK
AIM-37AT-S7GR1	Intel® Atom. x5-Z8350	2GB	32GB	V	b/g/n	2MP	5MP			Android 6.0	Gray+Black	EU
AIM-37AT-S0GB0	Intel® Atom. x5-Z8350	2GB	32GB	V	b/g/n	2MP	5MP		V	Win10 IOT Enterprise	Gray+Black	US
AIM-37AT-S7GB0	Intel® Atom. x5-Z8350	2GB	32GB	V	b/g/n	2MP	5MP		V	Win10 IOT Enterprise	Gray+Black	EU
AIM-37AT-S0GB1	Intel® Atom. x5-Z8350	2GB	32GB	V	b/g/n	2MP	5MP		V	Android 6.0	Gray+Black	US
AIM-37AT-S7GB1	Intel® Atom. x5-Z8350	2GB	32GB	V	b/g/n	2MP	5MP		V	Android 6.0	Gray+Black	EU

Peripherals and Accessories

P/N	Description
AIM-P701A0	Charging , USB x 2, COM (RJ48 type) x 2, RJ11 x 1 80mm Thermal Printer, Auto cutter
AIM-P701B0	Charging , USB x 2, COM (RJ48 type) x 2
AIM-P702	Hand strap
AIM-P703	VESA Mounting Kit
AIM-P704	Active Stylus
AIM-P705A0	10-in-1 pogo pin multiple charging station

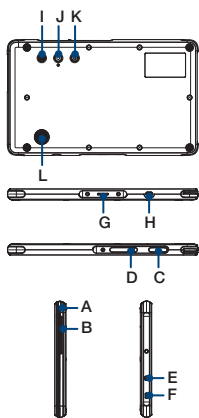
P/N	Description
AIM-P708A0	Simple cradle (Single I/O port)
AIM-P708C0	Simple cradle (Rich I/O ports)
1702002605	AIM-P701/P705 Power cord 2P FRANCE 10A/16A 220V 1.83M 90D
1702002600	AIM-P701/P705 Power Cord 3P UL/CSA(USA) 125V 10A 1.83M 180D
1700000596	AIM-P701/P705 Power Cord (China) CCC, 10A 250V, 3P 1830mm
1700018704	AIM-P701/P705 Power Cord UK BSJ 2P 10A 250V 180cm 18AWG
1700022938-01	AIM-P701/P705 Power cord KC 10A 250V 3P 3m DAC-ST01

Cradle Specifications

Model Name		AIM-P701A0	AIM-P701B0	AIM-P708A0	AIM-P708C0
Supported OS		Windows 10 IoT Enterprise Android 6.0			
Swivel		180° rotational			
Pogo Pin		USB 2.0 5V/3A Charger		5V/3A Charger	5V/3A Charger
Thermal Printer	Paper width	80mm/58mm			
	Paper roll	70mm diameter			
	Printing speed	200mm / s			
	Paper cutter	Auto Cut	N/A	N/A	N/A
	Buttons	Open Door; Feed Paper			
	LEDs	Power indicator; error indicator			
I/O Port		1 x DC IN	1 x DC IN	1 x DC IN	1 x DC IN (DC Jack with 12V/3A input)
		2 x USB 2.0 Type A	2 x USB 2.0 Type A	(micro USB type with 5V/3A input)	2 x USB 2.0 Type A
		2 x COM Port (RJ48)	2 x COM Port (RJ48)	1 x USB 2.0 Type A	1 x COM Port (RS232) + 1 x RJ45
		1 x Cash Drawer (RJ11)	N/A		
Dimensions		151 x 152 x 318 mm			
Environment	Operating Temperature	0 ~ 40° C			
	Storage Temperature	-10 ~ +60° C			
	Operating Humidity	5% ~ 95%, non-condensing			

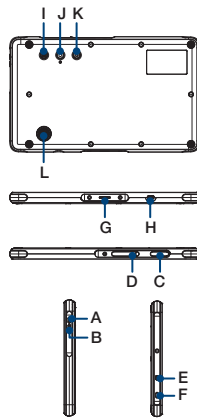
Fully-Integrated I/O

AIM-37AC-M



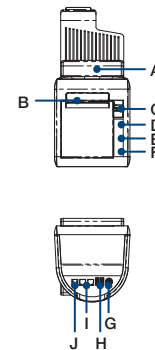
- A: MSR (Magnetic Swipe Card Reader)
- B: IC Card Reader
- C: 2D Barcode Scanner
- D: Micro SD Slot
- E: 3.5mm Audio Combo Jack
- F: Kensington Lock Slot
- G: Pogo Pin (DC-in and USB 2.0)
- H: Micro USB (2.0)
- I: Scanner Trigger
- J: 5MP Camera with LED Flash
- K: Power bottom
- L: Speaker

AIM-37AC-S & AIM-37AT-S



- A: Volume Up
- B: Volume Down
- C: Unused
- D: Micro SD Slot
- E: 3.5mm Audio Combo Jack
- F: Kensington Lock Slot
- G: Pogo Pin (DC-in and USB 2.0)
- H: Micro USB (2.0)
- I: Functional Button
- J: 5MP Camera with LED Flash
- K: Power bottom
- L: Speaker

AIM-P701



- A: Tablet Holder
- B: Auto Cutter
- C: Open Door
- D: Power Indicator
- E: Error Indicator
- F: Out of paper Indicator
- G: DC Jack
- H: USB Type A
- I: COM Port (RJ48)
- J: Cash Drawer (RJ11)

Multiple Charger Stations

Multi-Bay Charging Stations for AIM-37



Features

- Can charge up to 10 tablets simultaneously
- Rapid single-handed docking and undocking
- LED indicators for monitoring connecting status
- Fast charging and the best cooling

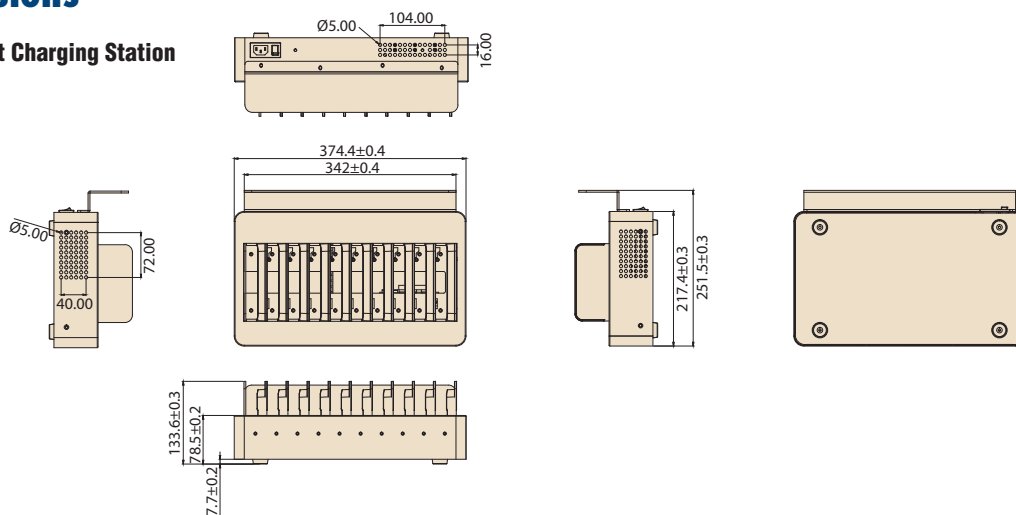
Specifications

	Part number	AIM-P705A0
Capacity	Number of Bays	10
Power	Charging Current	3A
	Charging Voltage	5V
	Input Voltage	88 ~ 264 V _{AC}
LED Indicators		Amber: Charging
Mechanical	Dimensions (W x D x H)	374.4 x 251.5 x 133.6 mm (14.74 x 9.9 x 5.26 in)
	Weight	NW: 4kg, GW: 5kg
Environment	Operating Temperature	0 ~ 40 °C (32 ~ 104 °F)
	Storage Temperature	-10 ~ 50 °C (14 ~ 122 °F)
	Safety	
	Certifications	

Dimensions

Unit: mm

Multi-Tablet Charging Station



Ordering Information

Part Number	Description
AIM-P705A0	AIM-37 10 in 1 tablet charging station

AIM-37 Peripherals and Accessories

Thermal Printer



Hand Strap



VESA Mounting



Part Number	AIM-P701A0 / AIM-P701B0	AIM-P702	AIM-P703
Color	Gray	Black	Black
Dimensions	152 x 151 x 318 mm (5.98 x 5.94 x 12.52 in)	180 x 285 mm (7.08 x 11.22 in)	265.3 x 209.2 x 30.9 mm (10.44 x 8.24 x 1.22 in)
Weight	2250g (4.96lb)	165g (0.36lb)	710g (1.56lb)
Feature	<ul style="list-style-type: none"> Smart Mini POS Cradle with receipt printer Embedded Seiko 3" thermal printer Rich I/O port (2 x USB Type A, 2 x COM Ports, 1 x Cash Drawer trigger) 	<ul style="list-style-type: none"> Synthetic leather w/ Elastic band Easily removed screw for rapid installation Extra protection against drop 	<ul style="list-style-type: none"> 75x 75mm Standard VESA Specification Easy installation

P-CAP Stylus



10-in-1 Charging Station



Simple Charger



Part Number	AIM-P704	AIM-P705A0	AIM-P708A0 / AIM-P708C0
Color	Black	Black	Gray
Dimensions	140 x 9.7 mm (5.51 x 0.38 in)	374.4 x 251.5 x 133.6 mm (14.74 x 9.9 x 5.26 in)	167 x 138 x 98 mm (6.57 x 5.43 x 3.86 in)
Weight	20g (0.044 lb)	4000g (8.8lb)	550g (1.21lb)
Feature	<ul style="list-style-type: none"> Windows hardware certification approved Palm detection Pressure Detection 	<ul style="list-style-type: none"> Charges up to 10 AIM-37 Tablets simultaneously LED indicators for monitoring connecting status 	<ul style="list-style-type: none"> Compact and stylish cradle for AIM-37 industrial tablet Suitable for table-site ordering and information checking Provide another charging method to retail customer