AIM-37 **Preliminary**

10.1" Mobile POS Tablet

Windows10 / Android / CCC / UL / CE / FCC / RoHS COMPLIANT 2002/95/EC

Features

- Industrial-Grade Panel with Anti-Glare, Anti-Fingerprint LCD display supports MTBF up to 12,000 hours
- 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
- Bulit-in MSR / IC card reader/ 2D barcode scanner (Optional)
- Support optional 4G LTE / 3G service / GPS
- 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 5.1 & Windows 10 IoT system operation

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 offering a mean time between failures (MTBF) of up to 12,000 hours. 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.
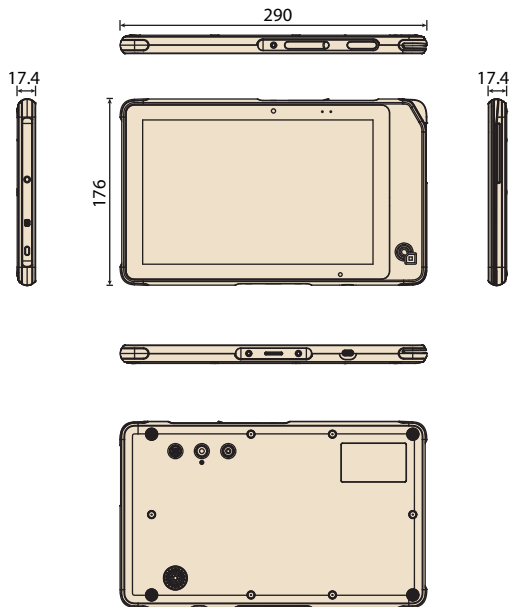
Specifications

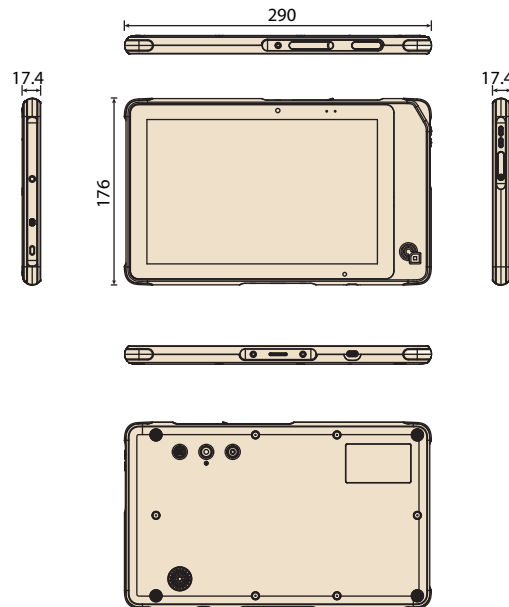| Model Name		AIM-37AT- M	AIM-37AT-S
Processor	CPU	Intel Atom X5-Z8350, quad-core processor, 1.84 GHz	
OS		Windows 10 IoT Enterprise	Windows 10 IoT Enterprise Android 6.0
Memory		2 GB	
Storage		32 GB	
Audio System		Speaker, 3.5mm headset jack	
Display	Size / Type	10" color touch screen, IPS TFT LCD	
	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		1 x Power button x 1 1 x Scanner trigger buttons	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	13.56 MHz; ISO 14443 Type A/B; ISO/IEC 15693; MIFARE; NFC	
	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
	WWAN	N/A	Optional internal 4G/3G Module
	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, 980 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		Power Adapter (5V, 3A) MicroUSB data power cable	
Certifications		CCC, NCC, CE, FCC, BSMI	

ADVANTECH

All product specifications are subject to change without notice

Dimensions

Unit: mm

AIM-37AT-M

290

17.4   17.4

176

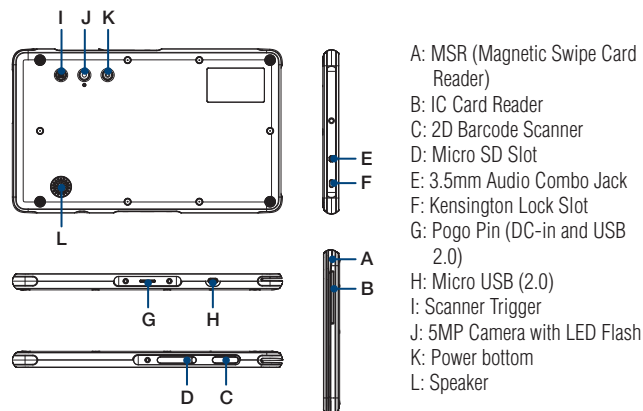**AIM-37AT-S**

290

17.4   17.4

176

Ordering information

P/N	Description
AIM-37AT-M0ST0	10.1" Tablet POS with embedded MSR/IC Card Reader and barcode scanner; Windows 10 IoT Enterprise
AIM-37AT-S0ST0	10.1" Tablet POS withWindows 10 IoT Enterprise OS
AIM-37AT-S0ST1	10.1" Tablet POS with Android 6.0 OS
AIM-37AT-S2ST0	10.1" Tablet POS with embedded 4G/3G Module for North American Bands; Windows 10 IoT Enterprise
AIM-37AT-S3ST0	10.1" Tablet POS with embedded 4G/3G Module for European Bands; Windows 10 IoT Enterprise
AIM-37AT-S2ST1	10.1" Tablet POS with embedded 4G/3G Module for North American Bands; Android 6.0 OS
AIM-37AT-S3ST1	10.1" Tablet POS with embedded 4G/3G Module for European Bands; Android 6.0 OS

Fully-Integrated I/O

AIM-37AT-M

I J K

E
F

L

A
B

G   H

D   C

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-37AT-S

I J K

E
F

L

A
B

G   H

D   C

A: Volume Key (+/-)
B: Micro SIM Slot (optional)
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