

# AIM-37

## 10.1" Industrial Tablet-Based Mini POS System



### 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
- 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 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.

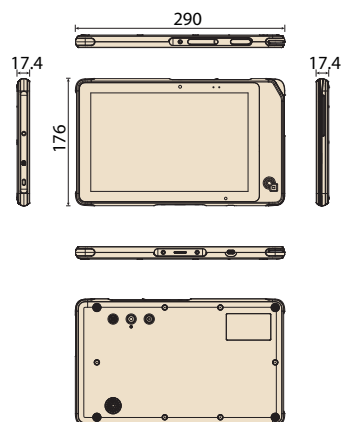
### Specifications

|                          |                              | AIM-37AC-M                                                                                                             | AIM-37AC-S                                           |
|--------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| Computing System         | CPU                          | Intel® Atom™ x5-Z8350 Processor                                                                                        |                                                      |
|                          | Max. Speed                   | 1.92GHz                                                                                                                |                                                      |
|                          | On-board Memory              | 4GB DDR3L                                                                                                              |                                                      |
|                          | Operating System             | Microsoft Windows 10 IoT Enterprise                                                                                    | Microsoft Windows 10 IoT Enterprise<br>Android 6.0.1 |
| Storage                  | On-board eMMC                | 64GB                                                                                                                   |                                                      |
|                          | Micro-SD                     | Micro-SD Card Slot for Storage Expansion up to 128GB                                                                   |                                                      |
| Display                  | Display Type                 | 10.1" TFT IPS LCD Panel                                                                                                |                                                      |
|                          | Max. Resolution              | WXGA, 1280x800, 350 nits                                                                                               |                                                      |
|                          | Touch Type                   | Projected Capacitive Multi-Touch                                                                                       |                                                      |
|                          | Glass Type                   | G/G Direct Bonding, Corning GG3 Glass                                                                                  |                                                      |
| Communication            | WIFI                         | 802.11b/g/n/ac                                                                                                         |                                                      |
|                          | Bluetooth                    | Bluetooth V4.2                                                                                                         |                                                      |
|                          | NFC                          | Read/ Write Device Compatible With ISO15693, ISO14443A, ISO14443B, Mifare, Felica                                      |                                                      |
|                          | Audio                        | x1 80dB 1Watt SPK 0.5M, x1 Audio combo jack                                                                            |                                                      |
| Connectivity             | I/O Port Interfaces          | x1 Micro USB 2.0 (OTG & Charging)<br>x1 AIM Dock 6-pin Pogo Connector: USB 2.0 + Power                                 |                                                      |
|                          | Camera                       | 2MP Fixed Focus                                                                                                        |                                                      |
| Sensor                   | Front                        | 5MP Auto Focus with LED Flash                                                                                          |                                                      |
|                          | Rear                         | 5MP Auto Focus with LED Flash                                                                                          |                                                      |
| Security                 | Sensor                       | G-sensor + E-compass, Gyroscope, ALS                                                                                   |                                                      |
|                          | Security                     | Kensington security slot                                                                                               |                                                      |
| MSR                      |                              | 3-Track MSR with 3-DES encryption; Triple DES and AES Encryption; DUKPT key management                                 | 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                                                  |
| Barcode scanner          |                              | 1D/2D barcode scanner                                                                                                  | N/A                                                  |
| Hard Buttons             |                              | x1 Power Button                                                                                                        | x1 Power Button                                      |
|                          |                              | x1 Functional Button                                                                                                   | x2 Volume Control Button<br>x1 Functional Button     |
| System Indicators        |                              | x1 Power / Battery Status                                                                                              |                                                      |
|                          |                              | x1 Barcode scanner Status                                                                                              |                                                      |
| Power Input              | Micro USB                    | DC 5V, Max 3A                                                                                                          |                                                      |
|                          | 6-pin Pogo Connector         | DC 5V, Max 3A                                                                                                          |                                                      |
| Battery                  | Capacity                     | Embedded Lithium-ion battery<br>Soft Pack (1S2P): 3.8V 7,900mAH (30 Watt)                                              |                                                      |
|                          | Operating Temp               | 0-40 °C (Charging)<br>-10-50 °C (Discharging)                                                                          |                                                      |
|                          | Environment                  | Operating: 0°C ~ +50°C, Storage: -10°C ~ +60°C                                                                         |                                                      |
| Ingress Protection       | Temperature                  | 5% ~ 95%(non-condensing)                                                                                               |                                                      |
|                          | Operating & Storage Humidity | 5% ~ 95%(non-condensing)                                                                                               |                                                      |
| Physical Characteristics | Dust/ Water Resistance       | IP-54 (Except MSR / IC Card slot)                                                                                      |                                                      |
|                          | Dimensions (W x H x D)       | 290 x 176 x 17.4 mm                                                                                                    |                                                      |
|                          | Weight                       | 915g                                                                                                                   |                                                      |
| Certifications           | Color                        | Black + Orange / Black + Cool Gray                                                                                     |                                                      |
|                          |                              | CE/FCC/CB/UL/NCC/BSMI/CCC                                                                                              |                                                      |

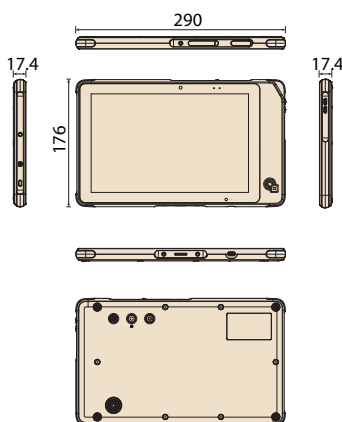
## Dimensions

Unit: mm

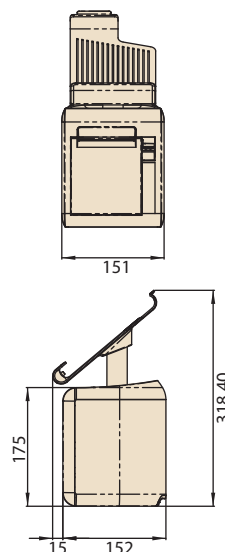
AIM-37AC-M



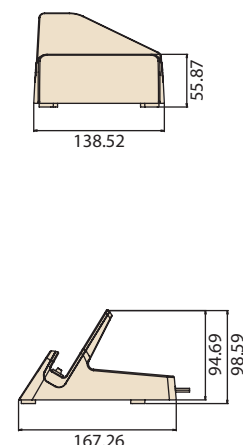
AIM-37AC-S



AIM-P701



AIM-P708



## Ordering information

| Part Number       | CPU                   | Memory | Storage | NFC/BT | 11AC WIFI | F-cam | R-cam | MSR/ICC | BCR | OS                   | Color        | Adapter Plug |
|-------------------|-----------------------|--------|---------|--------|-----------|-------|-------|---------|-----|----------------------|--------------|--------------|
| AIM-37AC-M0ST0110 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   | V       | V   | Win10 IOT Enterprise | Orange+Black | US           |
| AIM-37AC-M5ST0110 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   | V       | V   | Win10 IOT Enterprise | Orange+Black | CN           |
| AIM-37AC-M6ST0110 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   | V       | V   | Win10 IOT Enterprise | Orange+Black | UK           |
| AIM-37AC-M7ST0110 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   | V       | V   | Win10 IOT Enterprise | Orange+Black | EU           |
| AIM-37AC-S0GR0100 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   |         |     | Win10 IOT Enterprise | Gray + Black | US           |
| AIM-37AC-S5GR0100 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   |         |     | Win10 IOT Enterprise | Gray + Black | CN           |
| AIM-37AC-S6GR0100 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   |         |     | Win10 IOT Enterprise | Gray + Black | UK           |
| AIM-37AC-S7GR0100 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   |         |     | Win10 IOT Enterprise | Gray + Black | EU           |
| AIM-37AC-S0GR0110 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   |         | V   | Win10 IOT Enterprise | Gray + Black | US           |
| AIM-37AC-S5GR0110 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   |         | V   | Win10 IOT Enterprise | Gray + Black | CN           |
| AIM-37AC-S6GR0110 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   |         | V   | Win10 IOT Enterprise | Gray + Black | UK           |
| AIM-37AC-S7GR0110 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   |         | V   | Win10 IOT Enterprise | Gray + Black | EU           |
| AIM-37AC-S0GR1100 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   |         |     | Android 6.0          | Gray + Black | US           |
| AIM-37AC-S5GR1100 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   |         |     | Android 6.0          | Gray + Black | CN           |
| AIM-37AC-S6GR1100 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   |         |     | Android 6.0          | Gray + Black | UK           |
| AIM-37AC-S7GR1100 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   |         |     | Android 6.0          | Gray + Black | EU           |
| AIM-37AC-S0GR1110 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   |         | V   | Android 6.0          | Gray + Black | US           |
| AIM-37AC-S5GR1110 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   |         | V   | Android 6.0          | Gray + Black | CN           |
| AIM-37AC-S6GR1110 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   |         | V   | Android 6.0          | Gray + Black | UK           |
| AIM-37AC-S7GR1110 | Intel® Atom™ x5-Z8350 | 4GB    | 64GB    | V      | V         | 2MP   | 5MP   |         | V   | Android 6.0          | Gray + Black | EU           |

## Peripherals and Accessories

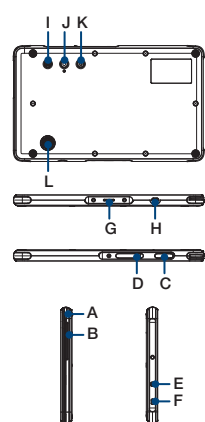
| P/N           | Description                                                                            |
|---------------|----------------------------------------------------------------------------------------|
| AIM-P701A0    | Charging , USB x 2, COM (RJ48 type) x 2, RJ11 x 1<br>80mm Thermal Printer, 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                                             |
| AIM-P706      | Lightweight desktop kickstand                                                          |
| 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 BSI 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<br>Android 6.0                                         |                                  |                                                                   |                                                                                                |
| Swivel          | 180° rotational                                                                  |                                  |                                                                   |                                                                                                |
| Pogo Pin        | USB 2.0<br>5V/3A Charger                                                         |                                  | 5V/3A Charger                                                     | 5V/3A Charger                                                                                  |
| Thermal Printer | Paper width                                                                      | 80mm/58mm                        | N/A                                                               | N/A                                                                                            |
|                 | Paper roll                                                                       | 70mm diameter                    |                                                                   |                                                                                                |
|                 | Printing speed                                                                   | 200mm / s                        |                                                                   |                                                                                                |
|                 | Paper cutter                                                                     | Auto Cut                         |                                                                   |                                                                                                |
|                 | Buttons                                                                          | Open Door; Feed Paper            |                                                                   |                                                                                                |
|                 | LEDs                                                                             | Power indicator; error indicator |                                                                   |                                                                                                |
| I/O Port        | 1 x DC IN<br>2 x USB 2.0 Type A<br>2 x COM Port (RJ48)<br>1 x Cash Drawer (RJ11) | N/A                              | 1 x DC IN (micro USB type with 5V/3A input)<br>1 x USB 2.0 Type A | 1 x DC IN (DC Jack with 12V/3A input)<br>2 x USB 2.0 Type A<br>1 x COM Port (RS232) + 1 x RJ45 |
| Dimensions      | 151 x 152 x 318 mm                                                               |                                  |                                                                   |                                                                                                |
| Environment     | Operating Temperature                                                            | 0 ~ 40° C                        |                                                                   |                                                                                                |
|                 | Storage Temperature                                                              | -10 ~ +60° C                     |                                                                   |                                                                                                |
|                 | Operating Humidity                                                               | 5% ~ 95%, non-condensing         |                                                                   |                                                                                                |

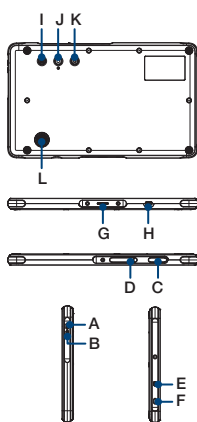
## Fully-Integrated I/O

### AIM-37AC-M



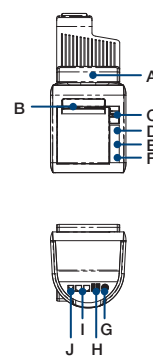
- A: MSR (Magnetic Swipe Card Reader)
- B: IC Card Reader
- C: 2D Barcode Scanner
- D: Micro SD Slot
- E: 3.5mm Audio Combo Jack
- F: Kensington Lock Slot
- G: Pogo Pin (DC-in and USB 2.0)
- H: Micro USB (2.0)
- I: Scanner Trigger
- J: 5MP Camera with LED Flash
- K: Power bottom
- L: Speaker

### AIM-37AC-S



- 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 5/10 tablets simultaneously
- Rapid single-handed docking and undocking
- LED indicators for monitoring connecting status
- Fast charging and the best cooling

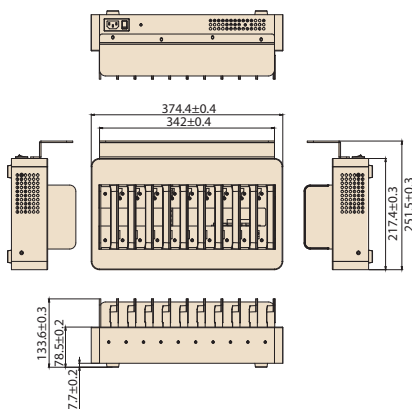
### Specifications

|                | Part number            | AIM-P705A0                                       | AIM-P705B0                                       |
|----------------|------------------------|--------------------------------------------------|--------------------------------------------------|
| Capacity       | Number of Bays         | 10                                               | 5                                                |
| Power          | Charging Current       | 3A                                               | 3A                                               |
|                | Charging Voltage       | 5V                                               | 5V                                               |
|                | Input Voltage          | 88 ~ 264 V <sub>AC</sub>                         | 88 ~ 264 V <sub>AC</sub>                         |
| LED Indicators |                        | Amber: Charging                                  | 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) | 374.4 x 251.5 x 133.6 mm (14.74 x 9.9 x 5.26 in) |
|                | Weight                 | NW: 4kg, GW: 5kg                                 | NW: 3.7kg, GW: 4.7kg                             |
| Environment    | Operating Temperature  | 0 ~ 40 °C (32 ~ 104 °F)                          | 0 ~ 40 °C (32 ~ 104 °F)                          |
|                | Storage Temperature    | -10 ~ 50 °C (14 ~ 122 °F)                        | -10 ~ 50 °C (14 ~ 122 °F)                        |
|                | Safety                 |                                                  |                                                  |
|                | Certifications         |                                                  |                                                  |

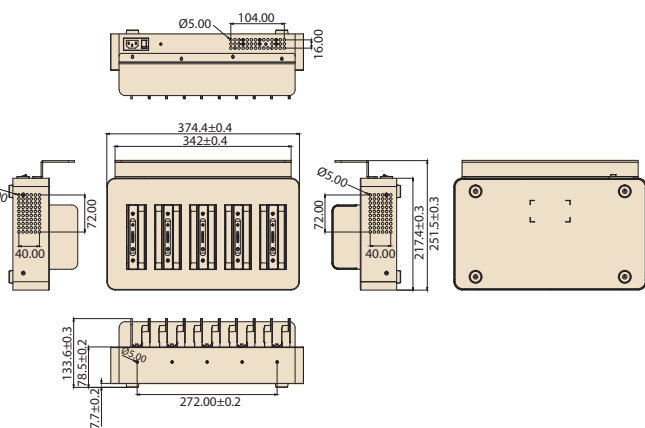
### Dimensions

Unit: mm

#### Multi-Tablet Charging Station



#### Multi-Battery Charging Station



### Ordering Information

| Part Number | Description                            |
|-------------|----------------------------------------|
| AIM-P705A0  | AIM-37 10 in 1 tablet charging station |
| AIM-P705B0  | AIM-37 5 in 1 tablet charging station  |