

AIM-35

Preliminary

8" Industrial Tablet for Retail Application Powered By Intel® Atom™ Processor



Features

- Intel® Atom™ processor
- Industrial-Grade 8" 1,920 x 1,200 LCD Panel with 400 nits brightness and MTBF up to 12,000 hours
- Equipped Gorilla® Glass 3, Anti-Glare, Anti-Fingerprint, Direct Bonded Touch Panel against scratch
- Supports glove mode and stylus with palm detection to expand usability
- IP65 water and dust protection/ 4ft drop compliant
- Comprehensive communication technologies including 3G/4G, WLAN, BT, NFC, GPS and HDMI output
- Camera module supports auto focus with LED flash
- Supports Windows 10 IoT Enterprise & Android 6.0 OS
- AIM Extension 14-pin Pogo connector supports Extension Modules for 1D/2D Barcode scanner, MSR, IC Card readers
- AIM Dock 16-pin Pogo connector supports Cradle and Docking peripherals: VESA mount dock, charging station and printer cradle



Introduction

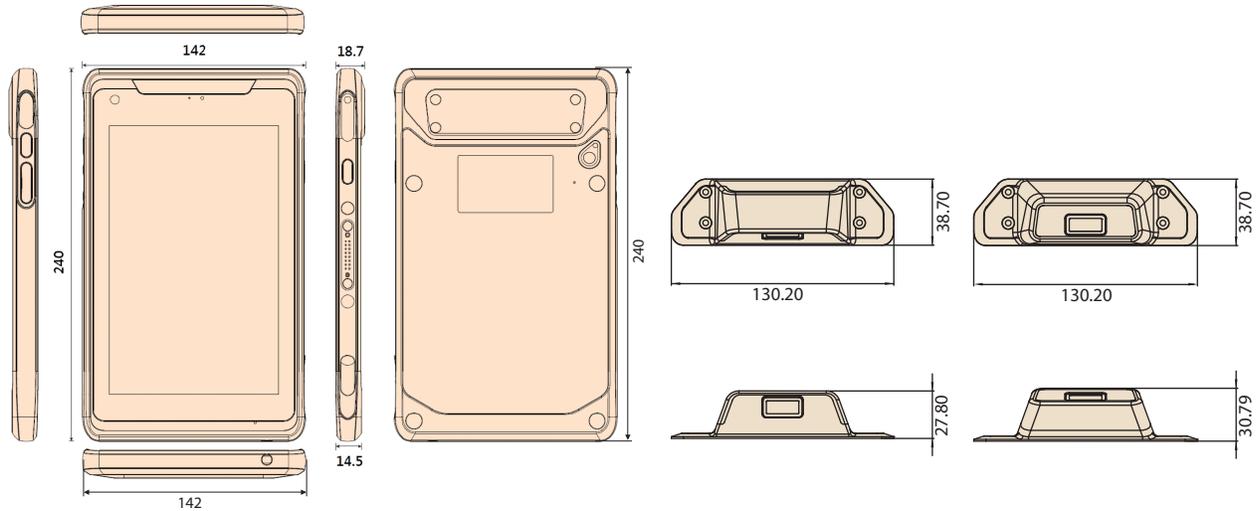
AIM-35 is an industrial-grade handheld tablet POS system for multiple applications with Intel® Atom™ processor and multiple OS platform support for various software operation. To meet demands of retail and hospitality industry, AIM-35 provides 6-8 hours operation and support IP65-rated water and dust protection as robust tablet, but also enables various extension modules for the diversified application scenarios, such as 2D barcode scanner, to satisfy various retail and hospitality applications as well as inventory management or self-service operations that makes AIM-35 is ideal tablet POS system for the retail and hospitality market.

Specifications

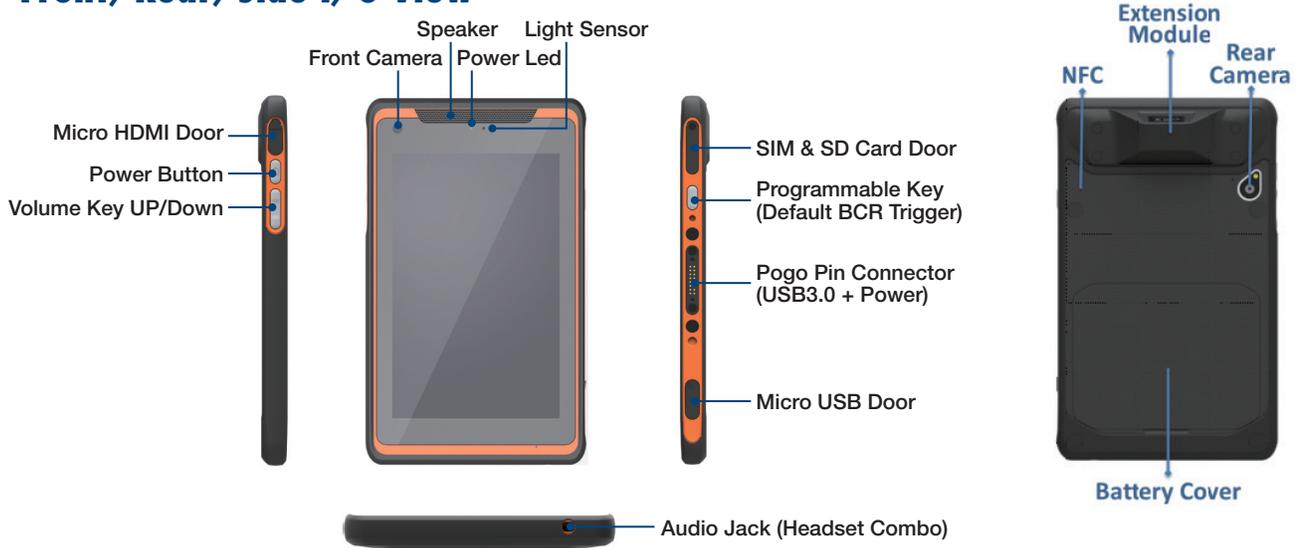
		AIM-35AT (Windows)	AIM-35AT (Android)
Computing System	CPU	Intel CHT T3 Z8350	
	Max. Speed	1.92GHz	
	On-board Memory	2GB/4GB, DDR3L-RS 1600MHz (Default 2GB)	
Operating System		Microsoft Windows 10 IoT Enterprise	Android 6.0
	On-board eMMC	32GB/64GB (Default 32GB)	
Storage	Micro-SD	Micro-SD Card Slot for Storage Expansion up to 128GB	
	Display Type	8" TFT IPS LCD Panel	
Display	Max. Resolution	WUXGA, 1200x1920, 400 nits	
	Touch Type	Projected Capacitive Multi-Touch	
	Glass Type	G/G Direct Bonding, Corning GG3 Glass	
Communication	WIFI	802.11b/g/n	
	Bluetooth	Bluetooth v4.0 CLASS II	
	NFC	Read/ Write Device Compatible With ISO15693, ISO14443A, ISO14443B, Mifare, Felica	
	AGPS/ GNSS (Optional)	AGPS GNSS: GPS & GLONASS	
	WWAN/ LTE (Optional)	M.2 Module EU & NA (w/o Voice Call) Micro-SIM Slot	
Audio		x2 Build-In Digital MIC, x1 80dB 1Watt SPK 0.5M, x1 Audio combo jack	x1 Micro USB3.0 (Charging)
Connectivity	I/O Port Interfaces	x1 Micro USB 3.0 (OTG) x1 Micro HDMI: Display x1 AIM Dock 16-pin Pogo Connector: USB 3.0 + Power for Cradle and Docking Stations x1 AIM Extension 14-pin Pogo Connector: USB 2.0 + TX/RX + Power for Extension Modules	
		Camera	Front Rear
Sensor		G-sensor + E-compass, Gyroscope, ALS	
Hard Buttons	Function	x1 Power Button x2 Volume Control Button (One is Programmable) x1 Programmable Button (Default as BCR Trigger Key)	
System Indicators		x1 Power / Battery Status	
Power Input	Micro USB	DC 5V, Max 3A	
	16-pin Pogo Connector	DC 9V, Max 2A	
Battery	Capacity	Detachable Battery with Battery Meter Soft Pack (1S2P): 3.8V 5060mAh (19.22Wh)	
	Operating Temp	0-40 °C (Charging) -10-50 °C (Discharging)	
Environment	Temperature	Operating: -10°C ~ +50°C, Storage: -20°C ~ +70°C	
	Operating & Storage Humidity	5% ~ 95% @ 40° C (non-condensing)	
	Vibration	Operation: (5-500GHz) 1G, Non-operating: (5-500GHz) 0.04PSD	
Ingress Protection	Dust/ Water Resistance	IP-65 compliant	
Physical Characteristics	Dimensions (W x H x D)	142 x 239 x 14.5mm	
	Weight	800g (Base Configuration)	
	Color	Black & Orange	
Certifications		CE/FCC/CCC ClassB UL 60950/CB/LVD/CCC/BSMI RF (R&TT,PTCRB/FCC ID) PTCRB/R&TTE Certification (Optional) ANSI / ISA 12.12.01-2015 (Optional)	

Dimensions

Unit: mm



Front/Rear/Side I/O View



Ordering information

P/N	Description
AIM-35AT-00101000	8" Tablet, Intel CHT T3 Z8350, WIFI, BT, NFC, Windows 10 IoT Enterprise 64 Bit
AIM-35AT-00103000	8" Tablet, Intel CHT T3 Z8350, WIFI, BT, NFC, 4G/3G NA Band, Windows 10 IoT Enterprise 64 Bit
AIM-35AT-00104000	8" Tablet, Intel CHT T3 Z8350, WIFI, BT, NFC, 4G/3G EU Band, Windows 10 IoT Enterprise 64 Bit
AIM-35AT-01101000	1.44GHz, 2GB RAM, 32GB Storage, Android 6.0.1, 8" Cap. T/P, Wi-Fi/BT/NFC, 2M/5M camera
AIM-35AT-01103000	1.44GHz, 2GB RAM, 32GB Storage, Android 6.0.1, 8" Cap. T/P, LTE NA, Wi-Fi/BT/NFC, 2M/5M camera
AIM-35AT-01104000	1.44GHz, 2GB RAM, 32GB Storage, Android 6.0.1, 8" Cap. T/P, LTE EU, Wi-Fi/BT/NFC, 2M/5M camera

Peripheral Ordering Information

P/N	Description
AIM-EXT0-0040	20 degrees barcode scanner extension module, Honeywell
AIM-EXT0-0041	70 degrees barcode scanner extension module, Honeywell
AIM-EXT0-0046	RJ45 x1, COM x1
AIM-SRPO-0000	Hand strap with screw
AIM-SRPO-0001	Shoulder Strap with screw
AIM-SRPO-0011	Active Stylus
AIM-BAT-8	Battery pack with meter, 3.8V/ 4900mAh
AIM-P704	EETi Stylus pen for AIM-35/AIM-37
TBU	AIM-35 multiple charging station. Provide 6 charging slots of tablet
TBU	Charging , USB x2, COM (RJ48 type) x2 , RJ11 x1 , 80mm Thermal Printer, Auto cutter
TBU	Charging , USB x2, COM (RJ48 type) x2 , RJ11 x1

Power Cord Ordering Information

P/N	Description
1700008921	Japan Power Cord PSE 3P 7A 125V 183cm
1700019146	China Power Cord CCC 3P 10A 250V 183cm
1700018553	AU Power Cord SAA 3P 10A 250V 183cm
170203180A	UK Power Cord BSI 3P 10A 250V 183cm
170203183C	EU Power Cord EU 3P 2.5A 250V 183cm