AIM-68

10.1" Industrial Tablet with Intel® Atom™ Processor



Features

- Intel® Atom™ processor for Windows 10 IoT and AIM Android 6.0
- The hot-swappable battery with capacity meter that shows the remaining power and recharge status minimizes system interruptions for reliable long-duration operation
- Integrated barcode scanner supports data collection
- 10" WUXGA full HD display with scratch-resistant Corning® Gorilla® Glass 3 and multi-touch PCAP control
- WLAN, BT, NFC, 3G/4G LTE technology for seamless communications
- Optional extension include 1D/2D barcode scanner, LAN+COM module, UHF RFID module

Specifications

System	Processor	Intel® Atom™ x7-Z8750 quad-core, 1.6 GHz (2M cache, up to 2.56 GHz)
	Memory	4 GB LPDDR3
	OS	Windows 10 IoT Enterprise, Android 6.0
Storage	eMMC	64 GB
Display	Type	10.1" FHD LCD
	Resolution	WUXGA 1920 x 1200
	Brightness	380 cd/m² (optional 800 cd/m²)
Touchscreen	Type	Corning® Gorilla® Glass 3 with 10-point P-CAP touch control
Audio	Speaker	2 x Internal speakers (2 W)
	Audio Jack	1 x Audio combo jack (combines stereo audio output and mono microphone input)
Camera	Front	2.0-megapixel fixed-focus camera
	Rear	5.0-megapixel aufo-focus camera with LED flash
Sensors		Ambient light sensor, e-compass, G-sensor, gyroscope
Barcode Scanner (Optional)		Integrated 1D/2D barcode scanner
I/O Interface	Standard I/O	1 x Micro HDMI, 1 x USB 3.0, 1 x combo audio jack, 1 x 19 VDC-in jack, 1 x SIM card reader, 1 x micro SD card reader
	Extended I/O	1 x AIM extension 14-pin pogo connector, 1 x USB 2.0, 1 x 2-wire UART, 5V/1A power
	Docking	1 x AIM docking 16-pin pogo connector, 1 x USB 3.0, 9V power
	Buttons	1 x Power button, 2 x volume keys (up/down), 1 x programmable function key
	LED Indicator	Full: green (100%); Charging: blue; Low: red (≤10%)
Wireless Communication	WLAN/Bluetooth	IEEE 802.11a/b/g/n/ac, Bluetooth® v4.1
	WWAN (Optional)	4G LTE multi-device broadband
	NFC	13.56 MHz, compatible with ISO15693, ISO14443A, ISO 14443B, FeliCa
Power System	Input Voltage	DC jack: 19V/3.41A Docking pogo: 9V/2A
	Battery	Hot-swappable smart battery with capacity LED indicators; Capacity: 26 WHr Operating time: Approximately 5.5 hr (depending on usage scenario*) Charging time: < 3 hr
Mechanical	Dimensions (W x D x H)	280 x 18.3 x 180.1 mm (11 x 0.7 x 7.1 in)
	Weight	980 g (2.2 lb)
Environment	Operating Temperature	-10 ~ 50 °C (14 ~ 122 °F)
	Storage Temperature	-20 ~ 70 °C (-4 ~ 158 °F)
	IP Rating	IP65
	Shock	Operating: 10 ~ 20 G, 11 ms; Non-operating: 50 G ,11 ms
	Vibration	Operating: (5 ~ 500 Hz) 0.5 ~ 1 G; Non-operating: (5 ~ 500 Hz) 0.04 PSD
	Humidity	Operating: 10 ~ 90% @ 40 °C non-condensing Storage: -10 ~ 95% non-condensing
	Altitude	Operating: sea level 0 to 3048 m (10k ft); Storage: sea level 0 to 12192 m (40k ft)
	Drop Tested	Up to 120 cm (4 ft) onto plywood over concrete
	Safety/EMC	UL, CB, LVD + Energy Star 6.1, CE, FCC, IC, VCCI, BSMI
	Certifications	FCC ID, TELEC, NCC, SRRC, RCM

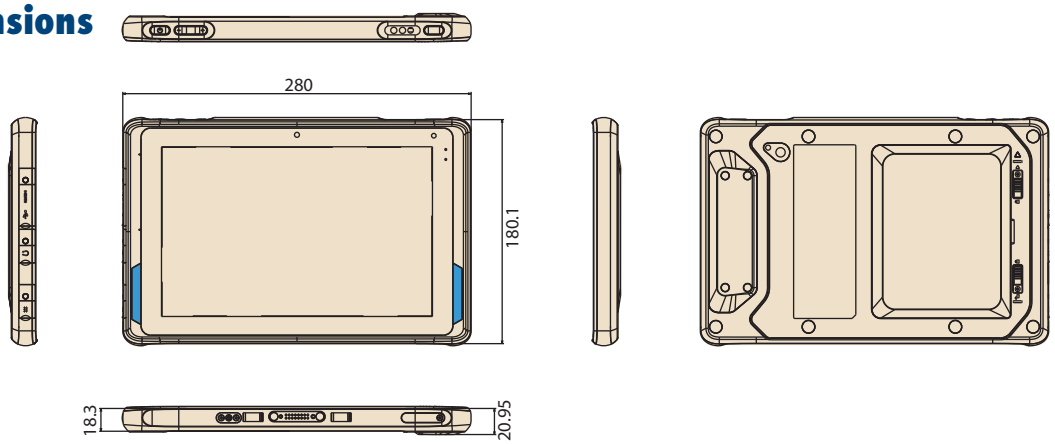
*Testing method: JEITA 2.0. The battery duration and recharge time may vary according to different factors such as screen brightness, applications, features, power management, battery condition, and other configurable settings.

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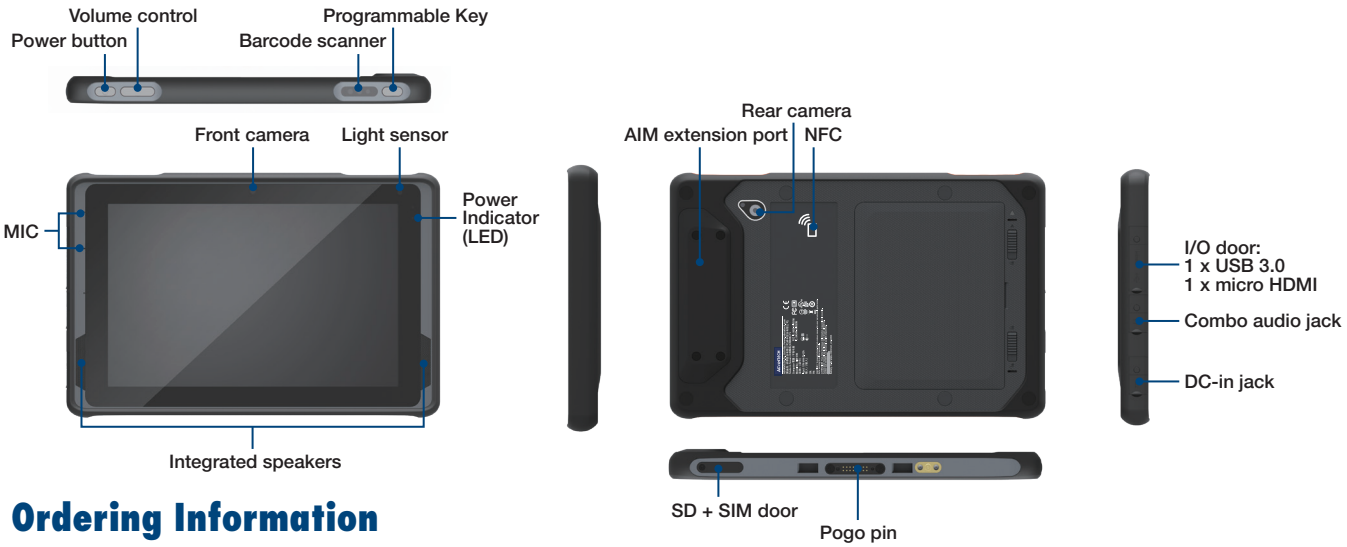
Last updated: 16-May-2019

Dimensions

Unit: mm



System I/O



Ordering Information

Part Number	Description	Memory	Storage	LCD	Barcode	NFC	Wi-Fi/BT	LTE+GPS	F-Camera	R-Camera	OS
AIM-68CT-C2101000	10I/4G/64G/WIN10/AC/G/	4 GB	64 GB	380 nits	X	V	V	X	2M	5M	Win 10 IoT Enterprise
AIM-68CT-C21B1000	10I/4G/64G/WIN10/AC/BCR/G/	4 GB	64 GB	380 nits	V	V	V	X	2M	5M	Win 10 IoT Enterprise
AIM-68CT-C2103000	10I/4G/64G/WIN10/AC/NA/GPS/G/	4 GB	64 GB	380 nits	X	V	V	V (NA)	2M	5M	Win 10 IoT Enterprise
AIM-68CT-C2105000	10I/4G/64G/WIN10/AC/EU/GPS/G/	4 GB	64 GB	380 nits	X	V	V	V (EU)	2M	5M	Win 10 IoT Enterprise
AIM-68CT-C2107000	10I/4G/64G/WIN10/AC/APAC/GPS/G/	4 GB	64 GB	380 nits	X	V	V	V (APAC)	2M	5M	Win 10 IoT Enterprise
AIM-68CT-C2104000	10I/4G/64G/WIN10/AC/NA/GPS/HB/G/	4 GB	64 GB	800 nits	X	V	V	V (NA)	2M	5M	Win 10 IoT Enterprise
AIM-68CT-C2106000	10I/4G/64G/WIN10/AC/EU/GPS/HB/G/	4 GB	64 GB	800 nits	X	V	V	V (EU)	2M	5M	Win 10 IoT Enterprise
AIM-68CT-C2108000	10I/4G/64G/WIN10/AC/APAC/GPS/HB/G/	4 GB	64 GB	800 nits	X	V	V	V (APAC)	2M	5M	Win 10 IoT Enterprise
AIM-68CT-C3101000	10I/4G/64G/A6.0/AC/G/	4 GB	64 GB	380 nits	X	V	V	X	2M	5M	Android 6.0
AIM-68CT-C31B1000	10I/4G/64G/A6.0/AC/BCR/G/	4 GB	64 GB	380 nits	V	V	V	X	2M	5M	Android 6.0
AIM-68CT-C3103000	10I/4G/64G/A6.0/AC/NA/GPS/G/	4 GB	64 GB	380 nits	X	V	V	V (NA)	2M	5M	Android 6.0
AIM-68CT-C3105000	10I/4G/64G/A6.0/AC/EU/GPS/G/	4 GB	64 GB	380 nits	X	V	V	V (EU)	2M	5M	Android 6.0
AIM-68CT-C3107000	10I/4G/64G/A6.0/AC/APAC/GPS/G/	4 GB	64 GB	380 nits	X	V	V	V (APAC)	2M	5M	Android 6.0
AIM-68CT-C3104000	10I/4G/64G/A6.0/AC/NA/GPS/HB/G/	4 GB	64 GB	800 nits	X	V	V	V (NA)	2M	5M	Android 6.0
AIM-68CT-C3106000	10I/4G/64G/A6.0/AC/EU/GPS/HB/G/	4 GB	64 GB	800 nits	X	V	V	V (EU)	2M	5M	Android 6.0
AIM-68CT-C3108000	10I/4G/64G/A6.0/AC/APAC/GPS/HB/G/	4 GB	64 GB	800 nits	X	V	V	V (APAC)	2M	5M	Android 6.0
AIM-68CT-C3101TBA	10I/4G/64G/A6.0_U/AC/G/	4 GB	64 GB	380 nits	X	V	V	X	2M	5M	Android 6.0 For SOTI
AIM-68CT-C31B1TBA	10I/4G/64G/A6.0_U/AC/BCR/G/	4 GB	64 GB	380 nits	V	V	V	X	2M	5M	Android 6.0 For SOTI
AIM-68CT-C3104TBA	10I/4G/64G/A6.0_U/AC/NA/GPS/HB/G/	4 GB	64 GB	800 nits	X	V	V	V (NA)	2M	5M	Android 6.0 For SOTI
AIM-68CT-C3106TBA	10I/4G/64G/A6.0_U/AC/EU/GPS/HB/G/	4 GB	64 GB	800 nits	X	V	V	V (EU)	2M	5M	Android 6.0 For SOTI
AIM-68CT-C3108TBA	10I/4G/64G/A6.0_U/AC/APAC/GPS/HB/G/	4 GB	64 GB	800 nits	X	V	V	V (APAC)	2M	5M	Android 6.0 For SOTI

Optional Accessories

Part Number	Description
AIM-ADP0-0424	ADP A/D 100-240V 65W 19V DC IN
1700001947	Power cord (USA) UL 2P 7A 125 V 183 cm
1700001949	Power Cord(UK) BSI 2P 2.5A 250V 183cm
1700029278-01	Power Cord (Japan) PSE 2P 7A 125V 183cm
1700029279-01	Power Cord (NZ/AU) SAA 2P 2.5A 250V 183 cm
1700008972	Power cord (China)CCC 2P 2.5A 250 V 183 cm
1700001948-11	Power cord (EU) EU 2P 2.5A 250 V 183 cm
1700021662-01	Power Cord (TW) BSMI 2P 2.5A 125V 183cm

Note: Power cords are suitable for AIM-68, AIM-VSD, and AIM-DDS.

AIM-68 Packing List

Description
1 x AIM-68
1 x AC/DC adaptor
1 x 2-pin power cord (USA)

For sales inquiries or further information, please contact us at Mobile@advantech.com.tw

AIM-68 Vehicle Docking Station



Features

- Compatible with 9 ~ 32 V_{DC} in-vehicle power supply
- Easy and instant single-handed docking and undocking
- Anti-theft locking mechanism
- External GPS antenna
- Programmable function keys
- High-density connectors
- Compliant with SAE J1455 for vibration and shock tolerance
- Safe and reliable design for vehicle applications

CE FCC

Specifications

		Fully Configured Unit	Charging Dock Only
I/O	High-Density Connector	1 x CAN bus (supports raw CAN, J1939, OBD-II/ISO 15765) with configurable firmware 5 x Digital inputs 1 x Odometer (supports dry and wet contact) with configurable and switchable firmware (default wet contact) 2 x Digital outputs (supports speed pulse) 1 x RS-232 (4 wire) 1 x RS-232/485 (2 wire) (default RS-485, termination enabled) 1 x USB 2.0 1 x Power input 12 V 1 A	1 x Power input 12 V 1A
GPS	GPS Extended	1 x External GPS antenna	N/A
Function Keys		5 x Programmable function keys	N/A
Key Lock		Anti-theft key lock (key can be removed)	N/A
Power	Input Voltage	Supports 12/24 V vehicle power (9 ~ 32 V_{DC} input range)	
Mechanical	Dimensions (W x D x H)	226 x 83.08 x 250.24 mm (8.9 x 3.27 x 9.9 in)	
	Weight	0.77 kg (1.70 lb)	
Environment	Operating Temperature	-10 ~ 50 °C (14 ~ 122 °F); 0 ~ 40 °C (32 ~ 104 °F) for charging	
	Storage Temperature	-30 ~ 80 °C (-22 ~ 176 °F)	
	IP Rating	IP54	
	Vibration/Shock	SAE J1455	
	Safety	UL, CB, LVD, CCC	
	Vehicle Power Regulation	ISO7637-2	
	Certifications	CE, FCC, CCC	

Ordering Information

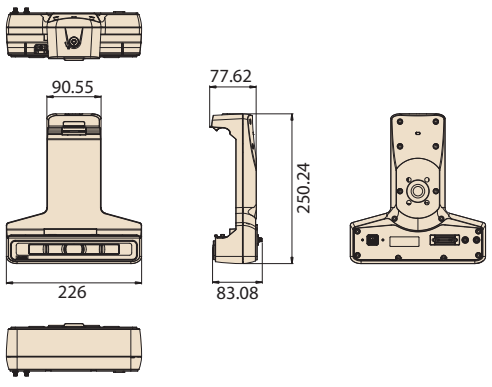
Part Number	Description
AIM-VED0-0422	AIM vehicle docking station (full configuration)
AIM-VED0-0423	AIM vehicle docking station (charging only)
1700026766-01	High-density cable
PWS-770-GPSAN00E	External GPS antenna
1700027666-01	Vehicle power cable (In-house engineer testing only)
1700027665-01	Vehicle power cable (vehicle battery)

Packing List

Item	AIM-VED0-0422	AIM-VED0-0423
1	1 x Vehicle Dock(Fully I/O)	1 x Vehicle Dock (Charging Only)
2	1 x Vehicle power cable (vehicle battery)	1 x Vehicle power cable (vehicle battery)

Dimensions

Unit: mm



AIM-68 VESA Docking Station



Features

- 9 ~ 32 V wide input voltage range
- VESA (75 x 75 mm)-compliant docking stations
- -10 ~ 50 °C (14 ~122 °F) operating temperature
- Reliable docking connector for office applications

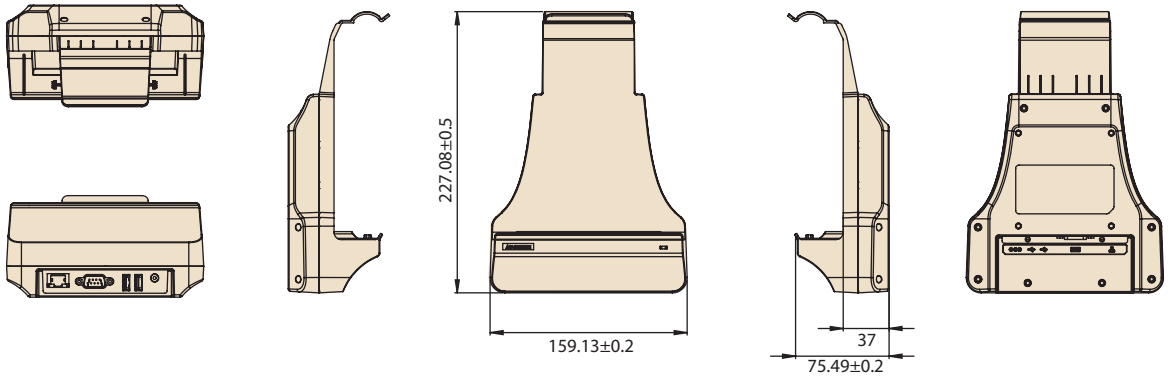
CE FCC

Specifications

		Advanced VESA Docking Station	VESA Docking Station with USB
I/O		2 x USB 3.0/2.0 1 x RS-232 COM 1 x Gigabit LAN 1 x Power jack	2 x USB 2.0 1 x Power jack
Stand		N/A	N/A
Power	Input Voltage	9 ~ 32 V	19 V
Mechanical	Dimensions (W x D x H)	159.13 x 75.49 x 227 mm (6.3 x 2.9 x 8.9 in)	159.13 x 75.49 x 227 mm (6.3 x 2.9 x 8.9 in)
	Weight	0.33 kg (0.72 lb)	0.32 kg (0.71 lb)
Environment	Operating Temperature	-10 ~ 50 °C (14 ~122 °F); 0 ~ 40 °C (32 ~104 °F) for charging	-10 ~ 50 °C (14 ~122 °F); 0 ~ 40 °C (32 ~104 °F) for charging
	Storage Temperature	-20 ~ 70 °C (-4 ~ 158 °F)	-20 ~ 70 °C (-4 ~ 158 °F)
	Safety	UL, CB, LVD, CCC	UL, CB, LVD, CCC
	Certifications	CE, FCC, CCC	CE, FCC, CCC

Dimensions

Unit: mm



Ordering Information

Part Number	Description
AIM-VSD0-0470	AIM 10 advanced VESA docking station
AIM-VSD0-0471	AIM 10 VESA docking station with USB

Packing List

Item	AIM-VSD0-0470	AIM-VSD0-0471
1	1 x VESA Dock(Advanced I/O)	1 x Vehicle Dock (Charging & USB Only)

Note: The packing list doesn't Include adapter and power cord. Please order based on following PNs.

Optional Accessories

Part Number	Description
AIM-ADP0-0424	ADP A/D 100-240V 65W 19V DC IN
1700001947	Power cord (USA) UL 2P 7A 125 V 183 cm
1700001949	Power Cord(UK) BSI 2P 2.5A 250V 183cm
1700029278-01	Power Cord (Japan) PSE 2P 7A 125V 183cm
1700029279-01	Power Cord (NZ/AU) SAA 2P 2.5A 250V 183 cm
1700008972	Power cord (China)CCC 2P 2.5A 250 V 183 cm
1700001948-11	Power cord (EU) EU 2P 2.5A 250 V 183 cm
1700021662-01	Power Cord (TW) BSMI 2P 2.5A 125V 183cm

AIM-68 Desk Docking Station



Features

- -10 ~ 50 °C (14 ~122 °F) operating temperature
- Reliable docking connector for office applications

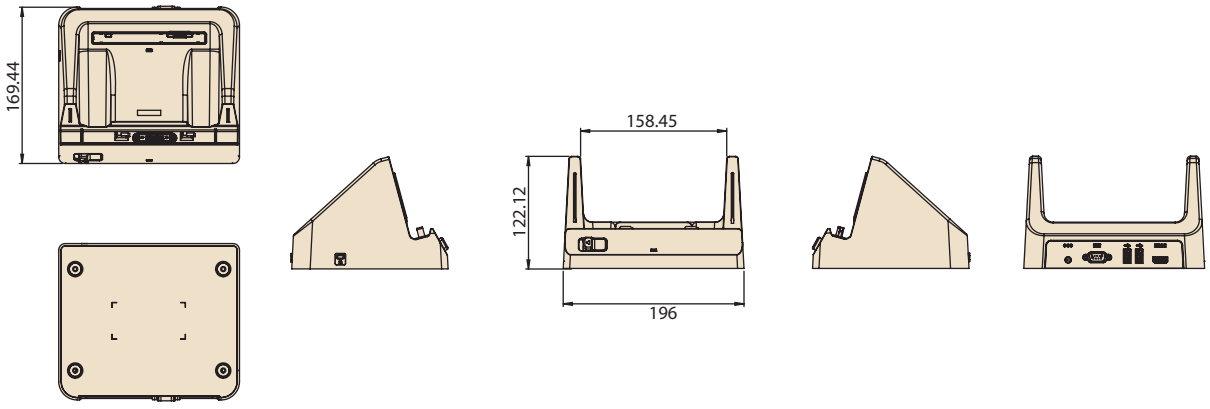
CE FCC

Specifications

		Advanced Desk Docking Station	Desk Docking Station with USB
I/O		2 x USB 2.0 1 x RS-232 COM 1 x Power jack 1 x HDMI 1 x Battery charging bay	2 x USB 2.0 1 x Power jack
Power	Input Voltage	19 V	19 V
Mechanical	Dimensions (W x D x H)	196 x 169.44 x 122.12 mm (7.72 x 6.67 x 4.81 in)	196 x 169.44 x 122.12 mm (7.72 x 6.67 x 4.81 in)
	Weight	0.76 kg (1.68 lb)	0.75 kg (1.65 lb)
Environment	Operating Temperature	-10 ~ 50 °C (14 ~122 °F); 0 ~ 40 °C (32 ~104 °F) for charging	-10 ~ 50 °C (14 ~122 °F); 0 ~ 40 °C (32 ~104 °F) for charging
	Storage Temperature	-20 ~ 70 °C (-4 ~ 158 °F)	-20 ~ 70 °C (-4 ~ 158 °F)
	Safety	CE, FCC, CCC	UL, CB, LVD, CCC
	Certifications	UL, CB, LVD, CCC	CE, FCC, CCC

Dimensions

Unit: mm



Ordering Information

Part Number	Description
AIM-OFD0-0480	AIM 10 advanced desk dock station
AIM-OFD0-0481	AIM 10 desk dock station with USB

Packing List

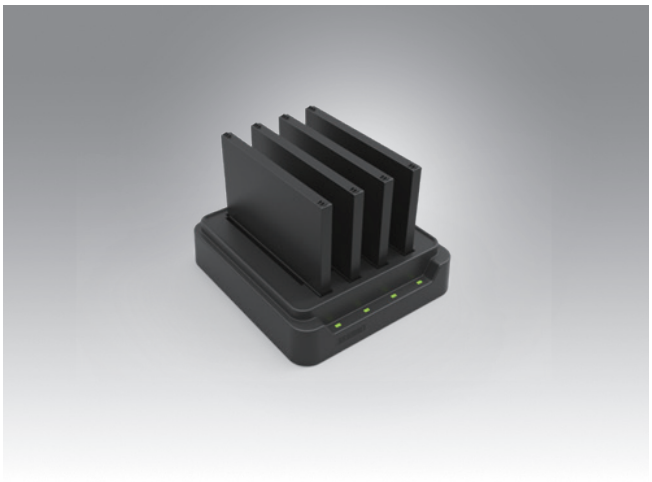
Item	AIM-OFD0-0480	AIM-OFD0-0481
1	1 x Office Dock(Advanced I/O)	1 x Office Dock (Charging & USB Only)

Note: The packing list doesn't Include adapter and power cord. Please order based on following PNs.

Optional Accessories

Part Number	Description
AIM-ADP0-0424	ADP A/D 100-240V 65W 19V DC IN
1700001947	Power cord (USA) UL 2P 7A 125 V 183 cm
1700001949	Power Cord(UK) BSI 2P 2.5A 250V 183cm
1700029278-01	Power Cord (Japan) PSE 2P 7A 125V 183cm
1700029279-01	Power Cord (NZ/AU) SAA 2P 2.5A 250V 183 cm
1700008972	Power cord (China)CCC 2P 2.5A 250 V 183 cm
1700001948-11	Power cord (EU) EU 2P 2.5A 250 V 183 cm
1700021662-01	Power Cord (TW) BSMI 2P 2.5A 125V 183cm

AIM Muti-Battery Charging Station



Features

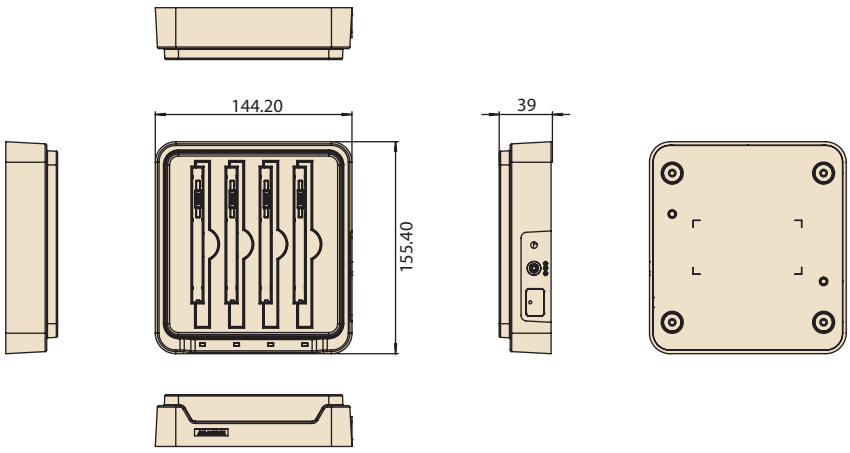
- Supports charging of up to 4 batteries simultaneously
- Overcurrent and overvoltage protection provided
- LED indicators for monitoring charging status

Specifications

		Multi-Battery Charging Station for AIM
Capacity	Number of Bays	4
Power	Charging Current	1 A
	Charging Voltage	12.6 V
	Input Voltage	19 V
LED Indicators		Green: Full Amber: Charging Red: Error
Mechanical	Dimensions (W x D x H)	144 x 155 x 39 mm (5.7 x 6.1 x 1.5 in)
	Weight	0.48 kg (1.05 lb)
Environment	Operating Temperature	0 ~ 40 °C (32 ~104 °F)
	Storage Temperature	-10 ~ 50 °C (14 ~ 122 °F)
	Safety	UL, CB, LVD, CCC, RCM
	Certifications	CE, FCC, CCC, RCM, BSMI

Dimensions

Unit: mm



Ordering Information

Part Number	Description
AIM-MBC0-0051	Multi-battery charging station for AIM

Packing List

Item	AIM-MBC0-0051
1	1 x Multi Battery Charger
2	1 x AC/DC adaptor

Note: The packing list doesn't Include power cord. Please order based on following PNs.

Optional Accessories

Part Number	Description
96PSA-A65W19V1-1	ADP A/D 100-240V 65W 19V C6 DC PLUG 180°
1700001524	Power cord (USA) UL 3P 10A 125V 183 cm
1700008921	Power cord (Japan) PSE 3P 7A 125V 183 cm
1700019146	Power cord (China) CCC 3P 10A 250V 183 cm
1700018553	Power cord (NZ/AU) SAA 3P 10A 250V 183 cm
170203180A	Power cord (UK) BSI 3P 10A 250V 183 cm
170203183C	Power cord (EU) 3P 2.5A 250V 183 cm

AIM-68 Extensions and Accessories

Extension Modules

Barcode Scanner (20°)



Barcode Scanner (70°)



LAN + COM Module



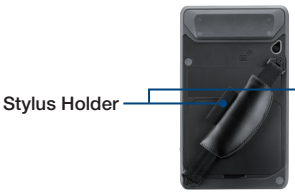
UHF RFID Reader



Part Number	AIM-EXT0-0040	AIM-EXT0-0041	AIM-EXT0-0046	AIM-EXT0-0047 (EU) AIM-EXT0-0049 (US)
Features	▪ Sensor: 640 x 480 CMOS sensor ▪ Illumination & Aiming: White LED illuminatoin/Red LED dot aimer ▪ Frame rate: 30 fps ▪ Field of view: Horizontal: 37.8°; Vertical: 28.8°	▪ Sensor: 640 x 480 CMOS sensor ▪ Illumination & Aiming: White LED illuminatoin/Red LED dot aimer ▪ Frame rate: 30 fps ▪ Field of view: Horizontal: 37.8°; Vertical: 28.8°	1 x 10/100 Ethernet port 1 x COM port	▪ RFID output power: 25 watt ▪ RFID antenna type: Linear polarization ▪ Frequency: EU: 867 ~ 869MHz; US: 913 ~ 917 MHz ▪ Tag standard supported: EPC Class 2 Gen. 2/ ISO 18000-6C
Dimensions	130.2 x 38.7 x 27.8 mm (5.12 x 1.52 x 1.09 in)	130.2 x 38.7 x 32 mm (5.12 x 1.52 x 1.25 in)	130.2 x 70 x 29 mm (5.12 x 2.75 x 1.14 in)	130.20 x 63.80 x 79.40 mm (5.12 x 2.5 x 3.13 in)
Weight	0.042 kg (0.092 lb)	0.042 kg (0.092 lb)	0.078 kg (0.171 lb)	0.08 kg (0.176 lb)

Accessories

Hand Strap



Shoulder Strap (Portrait)



Shoulder Strap (Landscape)



Battery with Meter



Part Number	AIM-SRP0-0000	AIM-SRP0-0001	AIM-SRP0-0002	AIM-BAT0-0452
Features	Black With one stylus holder	Black With one stylus holder	Black With one stylus holder	Black
Dimensions	240 x 20 mm (9.44 x 0.78 in)	380 x 135 x 20 mm (14.96 x 5.31 x 0.78 in)	1820 x 20 mm (71.65 x 0.78 in)	120 x 87 x 7.5 mm (4.72 x 3.43 x 0.30 in)
Weight	0.022 kg (0.048 lb)	0.05 kg (0.11 lb)	0.05 kg (0.11 lb)	0.147 kg (0.324 lb)

Active Stylus



Stylus tether



AG+AR Screen Protective Film



Part Number	AIM-P704	AIM-P704A0	AIM-EXT0-0480
Features	Black	Black	Hardness: 2~3H Reflection Rate: 0.15% Haze: 15%
Dimensions	140 x 9.7 mm (5.51 x 0.38 in)	195 mm (7.68 in)	249 x 165 X 0.150 mm (9.80 x 6.50 x 0.006 in)
Weight	0.02 kg (0.044 lb)	0.01 kg (0.02 lb)	0.014 kg (0.03 lb)