Advantech
AIM-78 Tablet Accessory
User Manual

TABLE OF CONTENTS

ABOUT THE MANUAL 3

VESA DOCKING STATION 4

- **PRODUCT OVERVIEW** 4
- **APPEARANCE AND DRAWING** 4
- **SPECIFICATIONS** 4
- **INSTALLATION AND USAGE INSTRUCTIONS** 5

MULTI BATTERY CHARGING STATION 6

- **PRODUCT OVERVIEW** 6
- **APPEARANCE** 6
- **SPECIFICATIONS** 6
- **INSTALLATION AND USAGE INSTRUCTIONS** 7

BATTERY PACK 8

- **PRODUCT OVERVIEW** 8
- **APPEARANCE** 8
- **SPECIFICATIONS** 8
- **INSTALLATION AND USAGE INSTRUCTIONS** 9

About the Manual

Purpose

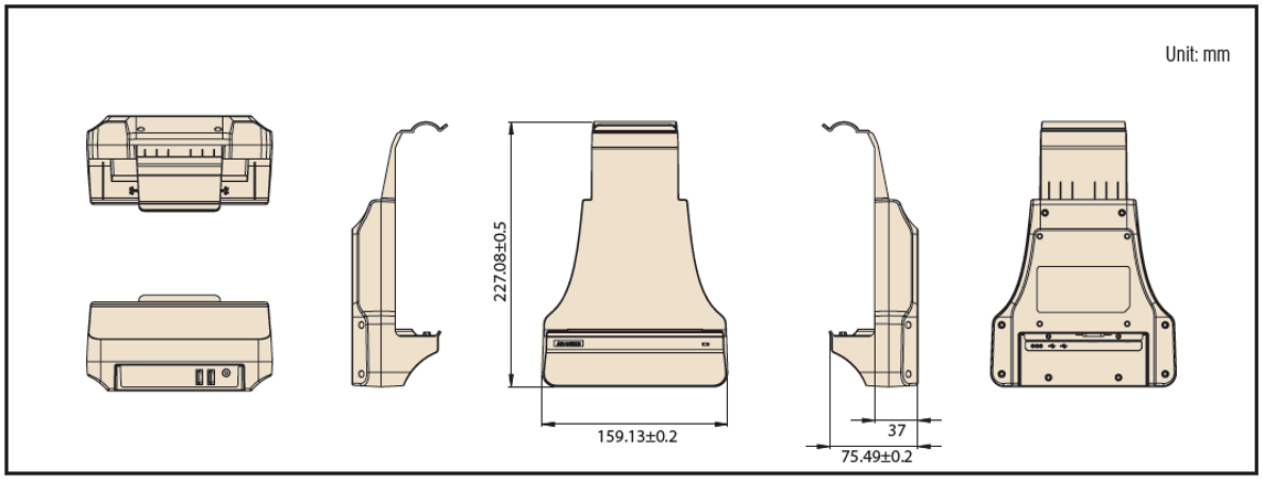
This manual is designed to provide you with detailed information about the setup, operation, and maintenance of the AIM-78 Tablet Accessories, including the VESA Docking Station, Multi Battery Charging Station, and Battery Pack. It serves as your guide to understanding the full capabilities of your device accessories and how to use them effectively and safely.

VESA Docking Station

Product Overview

- Easily connect to several external devices via USB
- Compatible with 9 - 32V wide input voltage range
- VESA (75x75 mm)-compliant docking station
- Reliable docking connector for medical applications

Appearance and Drawing



Specifications

I/O	2 x USB3.0, 1 x Power Jack
Power	Supports INPUT VOLTAGE 9~32V
Dimension	159.13 X 75.49 X 227 mm(6.3 x 2.9 x 8.9 inch)
Weight	0.33 kg (0.72 lb)
Environment	Operating Temperature -10 ~ 50 °C (14 ~ 122 °F), 0 ~ 40 °C (32 ~ 104 °F) when charging Storage Temperature -20 ~ 70 °C (-4 ~ 158 °F)

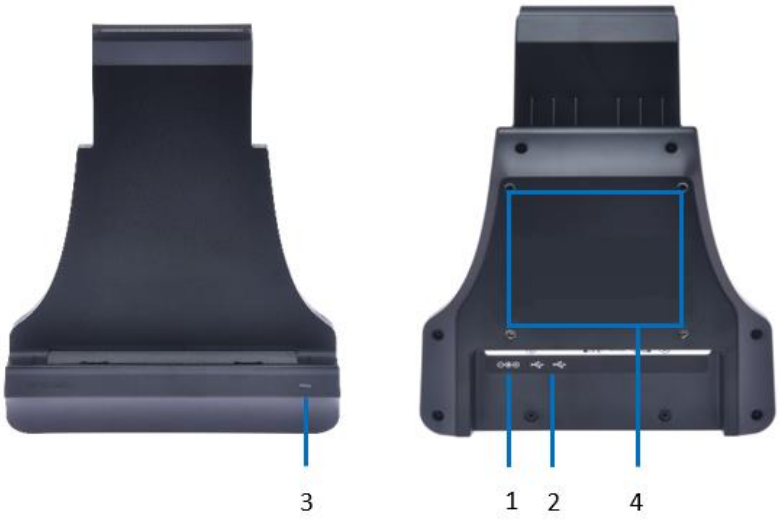
Installation and Usage Instructions

Installation

1. Secure using the VESA lock (75x75 mm) on the rear side of the VESA dock.
2. Mount the VESA dock in the suitable and desired position.
3. Before connecting the power cable, please ensure the tablet is properly positioned on the docking station.

Usage

1. After docking the tablet and connecting the power cable to the docking station, the tablet will begin charging and the LED on the docking station will be on.
2. The tablet can transfer data to USB devices, such as thumb drives, through its USB ports.
3. The tablet can be removed from the docking station, allowing users to move freely with it



No.	Component	Function
1	Power jack	Connect the AC adapter to provide power.
2	USB port	USB 2.0 port x 2 , Connect USB connectors to transfer data.
3	LED indication	Indicate if the tablet is charged or not
4	VESA Hole	Standard 75x75 VESA hole

Multi Battery Charging Station

Product Overview

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

Appearance





Specifications

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
Dimension	144 X 155 X 29 mm (5.7 x 6.1 x 1.5 inch)
Weight	0.48 kg (1.05 lb)
Environment	Operating Temperature: 0 ~ 40 °C (32 ~ 104 °F); Storage Temperature: -10 ~ 50 °C (14 ~ 122 °F)

Installation and Usage Instructions

Installation

1. Place the Charging Station: Select a stable, well-ventilated area away from direct sunlight and moisture.
2. Connect the Power Adapter: Plug the power adapter into the charging station and connect it to a power outlet.

Usage

Inserting Batteries

1. Align the battery contacts with the charging slots on the station.
2. Gently insert each battery into a slot until it is securely seated.
3. The LED indicator for each slot will turn on, showing the charging status.

Understanding LED Indicators

1. Red: Battery is charging.
2. Green: Charging is complete.
3. Blinking Red: An error has occurred. Ensure the battery is correctly inserted and compatible with the charging station.

Removing Batteries

1. Wait until the charging process is complete (indicated by a green LED).
2. Gently remove the battery from the slot.

Battery Pack

Product Overview

- Battery with Meter.
- Easy to do battery swap, no need to wait for charging.

Appearance



Specifications

Voltage / Capacity	10.8V / 2400mAh
Dimensions	120 X 87 X 7.5 mm (4.72 x 3.43 x 0.30 inch)
Weight	0.147 kg (0.324 lb)

Installation and Usage Instructions

Battery Removal

1. Turn off the device and disconnect the AC power adapter.
2. Place the device on a reliable surface, with the back facing upwards.
3. On the bottom of the battery cover there is a small notch and two small door locks beside it. Unlock the door locks first and then open the battery cover by lifting this notch up and away from the device.



4. Lift the battery out by pulling the ribbon attached to the underside of the battery.



Battery Installation

1. To insert the battery, start by placing the upper edge inside the battery compartment and then lowering the battery into place.
2. Press the bottom and sides of the battery to ensure it is fully inserted.



3. Press the battery cover starting with the top edge. Press along the edge of the battery cover until it clicks into place to ensure secure installation. Lastly, lock the door locks.

