



Advantech AIM-65 – Compact performance

- ✓ Robust construction for indoor and outdoor use
- ✓ Corning Gorilla Glass protected HD display with multi-touch functionality
- ✓ Possibility of expansion through additional modules for data acquisition
- ✓ Use of familiar software thanks to Windows 10 operating system
- ✓ Seamless data connection via Wi-Fi, mobile network or Bluetooth

Features

Display: 8 inch, 1920 x 1200 px

Operating system: Windows 10

CPU: Intel Atom Quad-Core

Memory: 2 / 4 GB RAM, 32 / 64 GB eMMC

Battery: up to 6 h, hot swappable

Network connections: WLAN, Bluetooth, mobile radio, NFC, USB

Additional features: cameras, barcode scanner

Protection: IP65, drop-proof up to 1.2 m

Operating temperature: -20 - 50 °C

Dimensions (W x L x H): 240 x 142 x 14 mm

Weight: 600 g

Optional accessories

Data capture: RFID, barcode scanner

Vehicle docking station

VESA docking station

Desktop docking station

4-fold battery charging station

6-fold device charging station

Hand strap

Shoulder strap

Stylus pen

System	Processor	Intel® Atom™ quad-core x5-Z8350 (1.44 GHz)
	Memory	2/4 GB (default 2 GB)
	OS	Windows 10 IoT Enterprise, Android 6.0
Storage	eMMC	32/64 GB (default 32 GB)
	SD Card	1 x Micro SD
Display	Type	8" IPS LCD
	Resolution	WUXGA 1200 x 1920
	Brightness	400 cd/m²
Touchscreen	Type	10-point multi-touch P-CAP touch control
	Construction	Directly bonded Corning® Gorilla® Glass 3
Multimedia	Speaker	1 x Internal speaker (1 W)
	Microphone	1 x Internal microphone for noise suppression
Camera	Front	2-Megapixel camera with fixed focus
	Rear	5-Megapixel camera with auto focus and LED flash
Sensors		Ambient light sensor, e-compass, g-sensor, gyroscope
I/O	Standard I/O	1 x Micro HDMI 1 x Micro USB 2.0 (host and charging) 1 x Micro SIM
	Extended I/O	1 x AIM extension 14-pin pogo connector: 1 x USB 2.0, 1 x 2-wire UART, 5V/1A power 1 x AIM dock 16-pin pogo connector: 1 x USB 3.0, 9V power
	Buttons	1 x Power 2 x Volume control 1 x Hotkey (default function: barcode scanner trigger)
	LED	1 x Power/battery status indicator
Wireless Communication	WLAN/Bluetooth	1. IEEE 802.11 b/g/n, Bluetooth® v4.0 Class2 2. IEEE 802.11 a/b/g/n/ac, Bluetooth® v4.2
	NFC	13.56 MHz, compatible with ISO 15693, ISO 14443A, ISO 14443B, FeliCa
	WWAN	4G LTE multi-device broadband
GNSS	Satellite System (Optional)	GPS, GLONASS
Power	Input Voltage	Micro USB: 5V/3A Dock pogo: 9V/2A
	Battery	Swappable battery: 1S2P 3.8V 18.6W Operating time under 25 °C: 6 hr (depending on usage scenario*) Charging time: 3 hr
Mechanical	Dimensions (W x D x H)	142 x 240 x 14.5 mm (5.59 x 9.44 x 0.57 in)
	Weight	0.6 kg (1.32 lb)
Environment	Operating Temperature	0 ~ 50 °C (32 ~ 122 °F) with battery, -10 ~ 50 °C (14 ~ 122 °F) with AC adaptor
	Storage Temperature	-20 ~ 60 °C (-4 ~ 140 °F)
	IP Rating	IP65
	Shock	Operating: SAE J1455; Non-operating: IEC 60721-3-5 5M3 compliant
	Vibration	SAE J1455
	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, RCM, CCC, BSMI
	Certifications	RED, FCC ID, IC, TELEC, NCC, SRRC, RCM