

MH-5102

➤ 10.1" Windows Tablet with Intel® Atom® x5-Z8550 Quad Core™ 2.4 GHz Processor



Features



- Stylish ID design
- High performance and low power consumption design with Intel® Atom® x5-Z8550 Quad Core™ CPU (1.44GHz up to 2.4GHz) / 2GB or 4GB LPDDR3 / 32GB or 64GB eMMC
- High capacity (8 hours) and removable battery design
- 10.1" LCD panel with P-Cap touch 1920 x 1200 resolution / 30,000 hours lifetime
- Multi-function applications (supports 2D barcode scanner / rear or front camera 5M / Wi-Fi / GPS / LTE / Bluetooth® / NFC) / MSR / smart card reader with EMV level 1 & 2 / fingerprint reader
- Light weight design
- Drop test 1.2m & IP54 (front panel) design
- Windows 10 IoT (64 bits)

Tablet Specifications



CPU Support	Intel® Atom® x5-Z8550 Quad Core™
CPU Frequency	1.44GHz up to 2.4GHz
Display	10.1" 1920 x 1200
Brightness	450 cd/m ²
O.S. Support	Windows 10 IoT Enterprise LTSC 2019 OS (64 bits) / Windows 10 IoT Enterprise LTSC 2016 OS (64 bits)
Memory	2GB / 4GB LPDDR3
Flash	32GB / 64GB eMMC
Speaker	1W
Power Requirement	DC 12V / 24V
G-Sensor	Yes
Ambient Light Sensor	Yes
Vibrator	Yes
Dimensions (WxHxD)	267.84 x 188.5 x 25.2 mm
Weight	838 g (Pad only)
Certifications	System: CE/ FCC/ IEC/EN62368-1; Battery Pack: UN38.3/ CE-EN62133/ CB-IEC62133/ UL/ PSE
Capacity	3.7V, 7900mAh
Battery Operation	Up to 8 hours (refer to JEITA battery run time measurement)
WiFi + BT	802.11 ac/a/b/g/n 2T2R for dual band, Bluetooth® 4.1 + EDR
WWAN	Support LTE / UMTS / GSM
GPS	GNSS: GPS / GLONASS / BeiDou / Galileo / QZSS (Optional)
Barcode Scanner	2D barcode scanner (optional)
Camera	Front camera 5M pixels (optional) Rear camera 5M pixels (optional)
NFC	NXP NPC300 (optional)
MSR	SecureHead MSR (optional)
Smart Card Reader	Smart card reader (optional) (meet ISO 7816 & EMV Level 1 & 2 certification)

Tablet I/O Ports

SD	Micro SD up to 128GB
USB	Standard USB 3.0 type A x 1 for external USB device
Audio Jack	φ 3.5 mm, support earphone, microphone
Cradle Connectors	POGO pin for USB x 1 / power x 1
DC Jack	DC 12V / 24V

*All information contained in this document is subject to change without prior notice. Please log on www.protech.com.tw to acquire latest information.

Life Cradle Specifications

Cradle Connector	POGO pins (1 x 10 pins)
Kensington Security Lock Slot	Lock slot x 1
Lock Switch	Lock switch x 1 used to fix Integrated Pad and Lite Cradle
AC Power Adapter	12V/5A/60W AC power adapter
Weight	858 g
Dimensions (W x H x D)	220 x 131.65 x 217.23 mm

Life Cradle I/O Ports

DC In Jack	DC 12V IN (pin's $\phi=2.5$ mm) x 1
USB Ports	USB: Dual standard type A USB 2.0 ports
Serial Ports	COM: RJ-45 with 12V/5V/RI x 1; COM: D-Sub 9 with 12V/5V/RI x 1
LAN Port / Cash Drawer Port	LAN: 10/100 Mbps, RJ-45 x 1 / DRW: RJ-11 with 12V/1A x 1

Battery Charger Specifications

Cradle Connector	POGO pins (1 x 10 pins) x 2
DC In Jack	DC 12V IN (pin's $\phi=2.5$ mm) x 2
AC Power Adapter	12V/3.3A/40W AC power adapter
Weight	292 g
Dimensions (W x H x D)	170 x 65 x 84 mm

Environment

Operation Temp.	0°C~40°C (32°F~104°F)
Storage Temp.	-20°C~60°C (-4°F~140°F)
Humidity	Operation humidity 10%~90%; Storage humidity 10%~95%

Highlights



Dimensions

