

MH-5100



10.1" integrated Pad with Intel® Atom™ Z3735F Quad Core™ CPU (1.33GHz up to 1.83GHz) / 2GB DDR3L / eMMC 32GB or 64GB / Windows 10 IoT Enterprise LTSC 2016 OS (32 bits)



Features

- Stylish ID design
- High performance and low power consumption design with Intel® Atom™ Z3735F Quad Core™ CPU (1.33GHz up to 1.83GHz) / 2G DDR3L / eMMC 32GB or 64GB)
- High capacity (8 hrs) and removable battery design
- 10.1-inch LCD panel with P-Cap touch 1280x800 resolution/ 30,000 hrs lifetime
- Multi function applications (supports 2D barcode scanner / rear camera 5M / Wi-Fi / Bluetooth / NFC / 3G) / MSR / Smart Card Reader with EMV level 1 & 2
- Light weight design (838g)
- Drop test 1.2m & IP54 (front panel) design
- Windows 10 IoT Enterprise LTSC 2016 OS (32 bits)

Tablet Specifications

CPU Support	Intel® Atom™ Z3735F Quad Core
CPU Frequency	1.33Ghz up to 1.83GHz
Display	10.1-inch 1280 x 800
O.S.	Windows 10 IoT Enterprise LTSC 2016 OS (32 bits)
Memory	DDR3L 2GB
Flash	32GB / 64GB eMMC
Speaker	1W
Power Requirement	DC 12V
G-Sensor	Yes
Dimension	259.9 x 175.9 x 17.7mm (L x W x T)
Weight	838g (Pad only)
Certificate	FCC / CE
Capacity	7900mAh
Battery Operation	8hrs (refer to JEITA battery run time measurement)
3G	Supports 3.75G for data transmission (optional, USB port co-layout with Smart Card Reader)
WiFi + BT	802.11 a/b/g/n Bluetooth 4.0
Barcode	2D barcode scanner (optional)
Camera	Rear camera 5M pixel x1 (optional)
NFC	NXP NPC300 (optional)
MSR	Secure head MSR(optional) (meet ISO 7811, support AAMVA / JIS II format, support single / dual / tripe tracks)
Smart Card Reader	Smart Card Reader (optional, USB port co-layout with 3G) (meet ISO 7816 & EMV Level 1 & 2 Certification)

Tablet I/O Ports

SD	Micro SD up to 32GB
SIM	3G SIM card
USB	Standard USB type A x 1 for external USB device
Audio Jack	ϕ3.5mm
Cradle Connector	POGO pin for USB x1 / power x1
DC Jack	DC 12V

Environment

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

Lite Cradle Specifications

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

Lite Cradle I/O Ports

DC-IN Jack	DC 12V IN (pin's ϕ ≈2.5mm) 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 or Cash Drawer Port	LAN: 10/100 Mbps, RJ-45 x 1 DRW: RJ-11 with 12V/1A x 1

Ordering Information

Order No	Description
MH-5100RA-B1B	10.1-inch pad with LCD 30,000hrs lifetime/ P-CAP Touch/ 2GB DDR3L/ eMMC 32GB/ Wi-Fi/ BT 4.0/g sensor/ Battery Pack/ Black/ Pad's AC Adapter 12V_2A
MH-5100RA-B3B	10.1-inch pad with LCD 30,000hrs lifetime/ P-CAP Touch/ 2GB DDR3L/ eMMC 32GB/ Wi-Fi/ BT 4.0/ g sensor/ Battery Pack/ Win10 IoT Ent LTSC 2016 OS/ Black/ Pad's AC Adapter 12V_2A
MH-5100RA-B4B	10.1-inch pad with LCD 30,000hrs lifetime/ P-CAP Touch/ 2GB DDR3L/ eMMC 64GB/ Wi-Fi/ BT 4.0/ g sensor/ Battery Pack/ Black/ Pad's AC Adapter 12V_2A
MH-5100RA-B5B	10.1-inch pad with LCD 30,000hrs lifetime/ P-CAP Touch/ 2GB DDR3L/ eMMC 64GB/ Wi-Fi/ BT 4.0/ g sensor/ Battery Pack/ Win10 IoT Ent LTSC 2016 OS/ Black/ Pad's AC Adapter 12V_2A
MH-5100RZ-BS1	2D Barcode Scanner Module
MH-5100RZ-CM1	USB Camera Module(5M pixels)
MH-5100RZ-MS1	MSR Module
MH-5100RZ-SC1	Smart Card Reader with EMV Level 1 & 2
MH-5100RZ-NF1	NFC module
MH-5100RZ-HS1	Hand Strap
MH-5100RZ-NS1	Neck Strap
MH-5100RZ-CR1	MH-5100 Lite Cradle with USB2.0 x 2/ COM Port x 2/ LAN x 1 port/ DWR x 1 port / AC Adapter 12V_5A/Black