

Model No. : EM-I22H



Product Outlook

Type	Details	Standard Configuration	Optional Configuration
Product Form	Type	12.2 inch Rugged Tablet(optional keyboard)	NA
	Dimension	319.6*216*23.4 mm	NA
	Weight	Main Unit: 1500g	NA
	Device Color	Black+silver (Back panel-silver, Front panel-black)	black (back panel-black, front panel-black)
LCD	Screen Size	12.2 inch 16:10	NA
	Resolution	1920*1200 IPS screen	NA
	Brightness	280Nit	Optional SLR sunlight readable film
TP	Touch Panel	10 point capacitive, G+G, Corning gorilla glass, Rigidity: 7H above, anti-scratch, TP	Optional SLR sunlight readable film
Camera	Front	Front 2.0MP	NA
	Rear	rear 5.0MP	NA
Speaker	Built-in	built-in 8Ω/0.8W water-proof speaker x2	NA
Mic	Built-in	sensitivity:-42db, Output resistance:2.2kΩ	NA
Battery	Type	Lithium-Ion polymer / swappable	NA
	Capacity	3.7V/13000mAh	NA
	Endurance	8Hrs (default 50%volumn, default 200lumens brightness, play 1080P HD video)	NA

System Hardware Configuration

Type	Details	Description	
CPU	Type	Intel Cherrytrail Z8350	NA
	Speed	1.44Ghz-1.84Ghz	NA
GPU	Type	Intel® HD Graphics	NA
RAM	DDR3L	4GB	2GB
ROM	Emmc	64GB	16G/32G/128G
Compass	Built-in	compass	NA
gyroscope	Built-in	gyroscope	NA
G_sensor	Built-in	gravity sensor	NA

Internet Connections

Type	Details	Description	
WIFI	WIFI Module	WIFI 802.11(a/b/g/n) Frequency:2.4G+5.8G dual band WIFI	NA
Bluetooth	Built-in	BT4.0 (BLE) class1.5 transmission distance : 10m	NA
3G	Built-in	FIBOCOM_H380 M.2 : WCDMA 900 MHz/2100 MHz GSM/GPRS/EDGE: 900MHz/1800 MHz	NA

4G	Built-in	NA (ME906S-158 ---android,ME936--windows)	ME906S-158 • LTE (FDD) B1/B2/B3/B5/B7/B8/B20/B28,all bands with diversity • DC-HSPA+/HSPA+/HSPA/WCDMA B1/B2/B5/B8, all bands with diversity • EDGE/GPRS/GSM 1900/1800/900/850 MHz • GPS/GLONASS: L1 • GPRS: DL 85.6 kbps/UL 85.6 kbps • EDGE: DL 236.8 kbps/UL 236.8 kbps • WCDMA CS: DL 64 kbps/UL 64 kbps • WCDMA PS: DL 384 kbps/UL 384 kbps • HSPA+: DL 21.6 Mbps/UL 5.76 Mbps • DC-HSPA+: DL 42Mbps/UL 5.76 Mbps • LTE FDD: DL 150 Mbps/UL 50 Mbps @20M BW cat4 ME936--windows LTE: B1/B2/B3/B4/B5/B7/B8/B13/B17/B20 WCDMA/HSDPA/HSUPA/HSPA+: 850 MHz/900 MHz/1700 MHz (AWS)/1900 MHz/2100 MHz GPRS/EDGE: 850 MHz/900 MHz/1800 MHz/1900 MHz
GPS	Built-in	U-blox NEO-7,Support:GLONASS,QZSS,GPS;Sensitivity:-160 dBm ; Cold start : <30 seconds, Hot start : <28 seconds, Frequency : 0.25 Hz ... 10 MHz (configurable)	NA
NFC	Built-in	NA	NXP NFC 13.56MHz Support ISO/IEC : 14443A/14443B/15693/18092/mifare protocol, read card distance : 4cm

Data Collection

Type	Details	Description	
1D barcode scanner	Optional	NA	MOTO SE655E100R Optical Position: 5mil Scan speed: 50/s Symbol system:UPC/EAN, Bookland EAN, UCC Coupon Code,ISSN EAN,Code 128,GS1-128,ISBT 128,Code 39,Trioptic Code 39,Code 32,Code 93,Code 11
2D barcode scanner	Optional	NA	Honeywell N3680 hardware decoder Optical Resolution:5mil Scan speed:50/s Symbol system:PDF417, MicroPDF417, Data Matrix, Data Matrix Inverse, Maxicode,QR Code, MicroQR, QR Inverse,Aztec,Aztec Inverses,Han Xin,Han Xin Inverse

Connector			
Type	Details	Description	
TF slot	Extensive External Memory	support SDHC/SDXC x1 max : 128G	NA
SIM card slot	3G/4G communication	SIM card x1	NA
USB connector	Extensive external memory and data	USB 2.0*2 (4pin) (Host) for windows	NA
MICRO USB connector	USB2.0	USB 3.0*1 (9pin)	NA
Earphone Jack	Audio Output	MICR USB x1	NA
DC Jack	Power	φ3.5mm standard earphone jack x1	NA
HDMI	Video Output	DC 5V 3A φ3.5mm power adaptor x1	NA
Serial port connector	Serial Port	HDMI 1.4a x1	NA
RJ45 connector	Ethernet port	DB9 (RS232) x1 DB9 (RS485) x1	NA
Extensive connector	pogo Pin	10/100/1000Mbps x1	NA
		12pin Pogo Pin x1	NA
Button Key			
Type	Details	Description	
power	On/Off	x1	NA
volume	volume up/volume down	volume+ x2	NA
F KEY	Scanner	Code scanner(back of unit) x1	NA
program	Program Key	Self define key x2	NA
Standard Accessories			
Type	Details	Description	
USB Cable	USB Cable	USB to micro 5P L=1.2M 4core aluminum foil shield cable	NA
Power Adaptor	Standard	AC100V ~ 240V、50Hz/60Hz output DC 12V/2A USA standard CE approved	USA standard EU Standard
Software Configuration			
Type	Details	Description	
Operation System	OS version	Windows 10 IOT Default language : English; Android 5.1	Windows 10 Home 64bit Windows 10 Pro 32bit /64bit
Product Certification			
Type	Details	Description	
Certificate System	IP65	IP65 Report : Water resistance : IP-X5, Dust resistance : IP-6X a.Inner Nozzle diameter : 6.3mm ; b. water speed : 12.5±0.625L/min ; c. Water Pressure : adjust according to water volumn ; d.Central part of water volumn : diameter of 40mm, distance from nozzle: 2.5M e.Spray time in surface of panel : about 1min ; f.test time : at least 3min ; g.distance between nozzle and panel surface : 2.5~3m。 After test, there is no water leakage in sample.	
	CE	Y	
	MIL-STD-810G	Y	
	Battery	UN38.3,MSDS,IEC62133	
Reliability			
Type	Details	Description	
Product Reliability	Drop Height	1.2m composite wood floors, in operation status	
	Operate Temperature	-10 °C to 50 °C (-20 °C to 60 °C optional)	
	Store Temperature	-30 °C to 70 °C	
	Humidity	Humidity: 95% Non-Condensing	
Product feature : 1.Support Windows 10 / Android 5.1 ; 2.Support USB2.0 & USB3.0 connector ; 3.Support NXP NFC(13.56M) ; 4.Support GPS Navigation ; 5.Support 1D/2D barcode scanner ; 6.Support standard DB9 connector(RS232,RS485) ; 7.Rugged IP65 protection level ; 8.Support 13000mAh loadable batteries ; 9.Support High strengthened glass touch panel,gloves and wet hand touch ; 10.Support gigabit network interface ; 11.Support wrist strap and leather keyboard;			