

Model No. : EM-I22S

Product Picture



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	1500g	NA
	Device Color	black+black color (bottom shell black color, front shell black color)	black+silver color (bottom shell silver color , front shell silver color)
LCD	Screen Size	12.2 inch 16:10	NA
	Resolution	1920*1200 IPS Screen	NA
	Brightness	280cd/m <sup>2</sup>	optional SLR Sunlight visible film
TP	Touch Panel	10 points Capacitive, G+G, Corning Gorilla Rigidity: above 7H-Anti-scratch,TP thickness : 1.1mm, COF, support handwrite	optional SLR Sunlight visible film
Camera	Front	front 2.0MP	NA
	Rear	rear 5.0MP	NA
Speaker	Built-in	Embedded 8Ω/0.8W waterproof speaker x2	NA
Mic	Built-in	Sensitivity:-42db, output resistance 2.2kΩ	NA
Battery	Type	Build in Lithium-ion polymer battery/large battery can hot plug replacement	NA
	Capacity	6500mAh/7.4V 1000mAh/7.4V (dual battery )	NA
	Endurance	6hrs(default 50% volumn, default200 lumens brightness play 1080P HD video)	NA

System Hardware Configuration

Type	Details	Description	
CPU	Type	Intel®skylake Core™ m3-6Y30	NA
	Speed	4M Cache, up to 2.20 GHz	NA
GPU	Type	Intel® HD Graphics 515	NA
RAM	DDR3L	4GB	2GB/4GB/8GB
ROM	Emmc	64GB	16G/32G/64G
SSD	NGFF SSD	NA	64G/128G
Electronic compass	Built-in	Electronic compass	NA
gyroscope	Built-in	gyroscope	NA
G_sensor	Built-in	Gravity acceleration sensor	NA

Network Connections

Type	Details	Descriptions	
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 WCDMA 900 MHz/2100 MHz GSM/GPRS/EDGE: 900MHz/1800 MHz	NA

4G	Built-in	NA	ME936 LTE M.2 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 GPRS: UL 85.6 kbps/DL 107 kbps EDGE: UL 236.8 kbps/DL 296 kbps WCDMA CS: UL 64 kbps/DL 64 kbps WCDMA PS: UL 384 kbps/DL 384 kbps HSPA+ : UL 5.76 Mbps/DL 21.6 Mbps LTE FDD: UL 50 Mbps/DL:100 Mbps @20M BW cat3
GPS	Built-in	U-blox NEO-7,support :GLONASS,QZSS,GPS;Capture sensitivity:-160 dBm ; Cool Start Time : <30 seconds, Hot start time : <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 mifare protocol, Card reading distance : 4cm

Data Collection

Type	Details	Description	
1D	OPTIONAL	NA	MOTO SE655E100R optical resolution: 5mil SCAN SPEED: 50times/s Code support :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
			Honeywell N3680 hard decode optical resolution:5mil scan speed:50次/s

2D	OPTIONAL	NA	Code support :PDF417, MicroPDF417, Data Matrix, Data Matrix Inverse Maxicode,QR Code, MicroQR, QR Inverse,Aztec,Aztec Inverses,Han Xin,Han Xin Inverse
Interface Configuration			
Type	Details	Descriptions	
TF slot	Extensive External Memory	support SDHC/SDXC x1 max : 128G	NA
SIM card slot	3G/4G communication	SIM card x1	NA
USB interface	Extensive External Memory and data	USB 2.0*2 (4pin) (Host) for windows	NA
		USB 3.0*1 (9pin)	NA
Type C interface	USB2.0,charging,AV	Type c x1	NA
Earphone Jack	Audio Output	φ3.5mm standard earphone jack x1	NA
DC Jack	Power	DC 12V 4A φ3.5mm Power connector x1	NA
HDMI interface	AV Output	HDMI 1.4a x1	NA
Serial port Interface	serial port	DB9 (RS232) x1, DB9 (RS485) x1	NA
RJ45 interface	internet access	10/100/1000Mbps self-adaption x1	NA
Extensive Slot	pogo Pin	12pin Pogo Pin x1	NA
Key			
Type	Details	Descriptions	
power	power on/off key	x1	NA
volume	VOL+ VOL-	VOL+ VOL- x2	NA
F KEY	Barcode scan key	barcode scan (backside of machine) x1	NA
program	programming key	customized key function x2	NA
Standard Accessories			
Type	Details	Description	
handle	handle	handle	NA
Power Adaptor	Standard	AC100V ~ 240V、50Hz/60Hz output DC 12V/4A USA Standard CE approval	USA standard EU Standard
Software Configuration			
Type	Details	Description	
Operation System	OS version	windows 10 IOT 64bit Default language : English	Windows 10 Pro /64bit
Product Certificate			
Type	Details	Description	
Certificate System	IP65	IP65 Report : waterproof test : IP-X5, dustproof test : IP-6X a.nozzle inner diameter : 6.3mm ; b.water-carrying capacity : 12.5±0.625L/min ; c.water pressure : adjust according to specified water-carrying capacity ; d.central part of main water flow : Away from the nozzle 2 , 5 m diameter about 40mm circle ; e.water spray time for outter shell per a square meter : about 1min ; test time : at least 3min ; g. distance from nozzle to outter shell surface : 2.5~3m。 。 after tested,check sample and no water inside situation	
	CE-NB	Y	
	MIL-STD-810G	Y	
	Battery	UN38.3, MSDS, IEC62133	
Reliability			
Type	Details	Descriptions	
Product Reliability	Drop Height	120cm 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	
<b>Product feature : 1.support Windows 10 OS ;</b> <b>2.Support all sizes of standard of USB2.0,USB3.0,type_c connector ;</b> <b>3.Support NXP NFC(13.56M) ;</b> <b>4.Support Ublox GPS High precision positioning ; dual frequency WIFI;Wide temperature battery</b> <b>5.support 1D/2D Scan ;</b> <b>6.support standard DB9 serial port (RS232,RS485) ;</b> <b>7.Rugged IP65 protection level ;</b> <b>8.support 6500mAh removeable battery ;</b> <b>9.support high strength Glass Touch Panel,handwriting input ;</b> <b>10.support RJ45 internet access,1000M Ethernet ;</b> <b>11.Support Wrist Strap and leather keyboard ;</b>			