

Model NO(Subject): EM-X14

Product picture



Product Outlook

Type	Details	Standard configuration of whole machine	Optional
Product Form	Type	14 inch Full-rugged Netbook	NA
	Dimension	305*205*39 mm	NA
	Weight	Device itself 2.85kg	NA
	Device Color	Black	NA
LCD	Screen size	14 " 16:9	NA
	Resolution	1920(H)×1080(V)	NA
	Brightness	300cd/m ²	Optional 700cd/m ² high brightness,Optional SLR sunlight
TP	Touch panel	10 point touch capacitive, G+G, Corning Rigidity: 7H up, Anti-scratch, TP thickness: 1.1mm, COF	Optional 700cd/m ² high brightness,Optional SLR sunlight
Camera	Front	Front 2.0MP	NA
Speaker	Built-in	Built-in 8Ω/1W x2	NA
Mic	Built-in	×2 Internal Digit MIC	NA
Battery (Built-in)	Type	Built-in Lithium-ion ploymer battery	NA
	Capacitive	2100mHA/7.4V	NA

	Endurance	0.5hrs(Default 50% volume, default 200 nit, Play 720P HD video)	NA
Battery (Pluggable)	Type	External Lithium-ion ploymer battery	NA
	Capacitive	6200mHA/7.4V	NA
	Endurance	6hrs(Default 50% volume, default 200 nit, Play 1080P HD video)	NA
System Hardware Configuration			
Type	Details	Decription	Optional
CPU	Type	8th Generation KBL-R Intel® Core™ i5-8250U	KBL-U/SKL-U/Gemini lake
	Speed	Processor 4core 8 threads, processor base frequency 1.60 GHz, maximum	NA
GPU	Type	Intel® UHD Graphics 620	NA
RAM	DDR4L	8GB	4GB/16GB
SSD	NGFF SSD	128GB	256GB/512GB
HDD	Type	NA	Capactive 500GB
TPM	Built-in	Built-in TPM Security Chip SLB9665T2.0	NA
E-compass	Built-in	E-compass	NA
Gyroscope	Built-in	Gyroscope	NA
Hall switch	Hall	hall	NA
Network Connections			
Type	Details	Decription	Optional
WIFI	WIFI Modle	WIFI 802.11(a/b/g/n/ac) Frequency 2.4G+5.8G, Dual frequency WIFI /intel 3165 / Max Speed 433 Mbps	NA
Bluetooth	Built-in	BT4.0 (BLE) class1 Transmission distance: 10m	NA
3G	Built-in	Mini-pcie interface (USB and pcie signal compatibility)	HUAWEI MU709s-2 Mini PCIe WCDMA/HSDPA/HSUPA/HSPA+: Band 1(2100MHz), Band 8(900MHz), all bands with diversity GSM/GPRS/EDGE: 850 MHz/900 MHz/1800 MHz/1900
4G	Built-in	Mini-pcie interface (USB and pcie signal compatibility)	MOBILE EC25-AU Mini PCIe LTE FDD: B1/B2/B3/B4/B5/B7/B8/B28 LTE TDD: B40 WCDMA: B1/B2/B5/B8 GSM: B2/B3/B5/B8

NFC	NA	NA	NXP NPC300 Frequency: 13.56MHz NFC Standards: 1>ISO/IEC 14443A, ISO/IEC 14443B PCD designed according to NFC Forum digital Protocol T4T platform and ISO-DEP 2> FeliCa PCD mode 3 > MIFARE PCD encryption mechanism (MIFARE 1K and 4K) 4> NFC Forum tag (MIFARE Ultralight, Jewel, Open FeliCa tag, DESFire) 5> NFCIP-1, NFCIP-2 protocol 6> ISO/IEC14443A, ISO/IEC14443B PICC mode designed according to
GPS	Built-in	U-blox NEO-7, Support: GLONASS,QZSS,GPS (USB interface)	1.Optional Serial port Beidou
Data Collection			
Type	Details	Decription	Optional
Fingerprint	Built-in	×1 SPI fingerprint(Power on login)	
Interface			
Type	Details	Decription	Optional
USB3.0	USB3.0	USB3.0*3	NA
USB2.0	USB2.0	USB2.0*1	NA
Earphone Jack	Earphone Jack	φ3.5mm Standard earphone jack x1 host	NA
HDMI	HDMI	HDMI x1 (Type-A)	NA
SD Card	SD Card	SD Card x1	NA
SIM Card	SIM Card	SIM Card x1 (below 3G/4G module)	NA
DC	DC Jack	DC 19V 3.42A power jack x1	NA
Serial port	Serial port	DB9 RS232×1	NA
RJ45 port	Internet port	x2 (10/100/1000M Self-adaption) I219+I210	NA
Burglar lock hole(Right)	Kensington	Kensington x1	NA

Heat dissipation air outlet hole(Right)	Heat dissipation air outlet hole(Right)	Heat dissipation air outlet holex1	NA
Left extension dock	Left extension dock	x1 (Optional customized PCIE X4 transfer card or HDD)	NA
POGO PIN	POGO PIN	5PIN(USB interface definition)	
Button			
Type	Details	Decription	Optional
power	Power Button	x1	NA
Reset	Reset Button	Reset x 1	NA
P1	P1	×1 Used to lock or open screen	NA
Indicator light			
Type	Details	Decription	Optional
power	Built-in	×1 Light color is blue when boot(Blue will not too bright), Light off when machine	NA
battery	Built-in	×1(red and green double - color) Light color is red when charging, then become green when full charge, red light flash when low - power, it is not bright when	NA
HDD LED	Built-in	×1	NA
Caps lock	Built-in	×1	NA
3G/4G	Built-in	Light color is blue when 3G/4G opened ; Light off when 3G/4G closed	NA
Standard Accessories			
Type	Details	Decription	Optional
Power Adaptor	Standard	Input 100~240V, output 19V3.42A/65W, USA standard, CE approval	USA standard
			EU standard
Software Configuration			
Type	Details	Decription	Optional
OS	OS version	Windows 10 home/pro/IOT/64bit OS	windows 10 IOT 64bit
			Windows10 Pro /64bit
			Windows 10 enterprise 64bit /64bit
Product Certificate			
Type	Details	Decription	Optional

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 flow; d.Central part of water flow: A round with a diameter of about 40mm at the distance from the nozzle 2.5m.; e.Spray time in surface of panele: About 1 min/Square meter; f.Test time: at least 3min; g.Distance between nozzle and panel surface: 2.5 ~ 3m. After test, there is no influent phenomenon in sample.	T1 device certificate
	Related certification	CE,RoHS,CCC,MIL-STD-810G,	FCC
Reliability			
Type	Details	Decription	Optional
Product Reliability	Drop Height	100cm composite wood floors, in operation status	
	Operate	' -20 °C to 60 °C -4 °F to 140 °F	
	Store	' -30 °C to 70 °C / -22 °F to 158 °F	
	Humidity	Humidity: 95% Non-Condensing	
Product features: 1.Intel® 8M CPU,Built-in TPM security chip. 2.Support Windows 10 system. 3.More interfaces, support extension dock. 4.Support 3G/4G,Ublox GPS high accuracy positioning,optional Beidou,dual frequency WIFI. 5.Rugged IP65 protection level. 6.Design of double wide temperature battery, support 6200mAh hot pluggable battery. 7.Support High - intensity Corning gorillas glass touch panel , handwriting input.			