8" Windows Industrial Rugged Tablet PC

Product Introduction

The SIP-M08 rugged panel PC supports Windows 10 and is equipped with intel i5-8200Y/i7-8500Y processors to provide a stable and efficient experience. The 8-inch high-brightness screen with optional high brightness of 1000 nits allows you to display content clearly even outdoors in sunlight. The interface is rich and supports a variety of functions such as Beidou/2D barcode/UHF/fingerprint/NFC/high-precision GPS to meet the needs of multiple industries, such as field survey, geological exploration, agricultural survey, etc.

Key features:

▪ Powerful performance
Equipped with intel i5-8200Y/i7-8500Y dual-core processor, it provides stable and efficient computing power, built-in 8GB memory and 256GB storage, and can also be equipped with 16GB memory and 512GB storage to adapt to more complex data processing needs.

▪ High-definition highlighting
The high-definition 8-inch display with 1920×1200 resolution and 450 nits of brightness ensures excellent visibility in a wide range of lighting conditions. In addition, with IPS technology and 1000nits brightness options, the device is more suitable for outdoor or bright light environments, bringing unobstructed connectivity to the visual experience.

▪Rugged.
IP65-IP67 protection level, whether it is waterproof and dustproof or 1.2 meters drop resistance, it shows excellent pressure resistance. At the same time, MIL-STD-810G certification demonstrates reliable performance in harsh operating environments, greatly reducing the risk of equipment damage.

▪ Flexible connectivity
It supports 4G LTE, GPS, and 802.11a/b/g/n/ac dual-band WIFI, and provides rich input and output interfaces (such as HDMI, RS232, and 3 USB 3.0 ports) to ensure seamless connection and data sharing with other devices, making it a powerful assistant in the process of digital transformation.

▪ Long battery life
The 5000mAh battery is designed with excellent power management, which can still provide a stable and long-lasting power supply in various working scenarios, reducing the burden of frequent charging for the wearer.

Dimensional interfaces

Specifications

system	operating system	Windows 10 (supports multiple languages, optional Home/Professional/IoT editions)
	C P U	intel Core i5-8200Y, dual-core 4-thread, clocked at 1.30 GHz, turbo frequency 3.90 GHz
		intel Core i7-8500Y, dual-core 4-thread, clocked at 1.50 GHz, turbo frequency 4.20 GHz
	Memory storage	8GB+256GB (optional 16GB+512GB)
screen	display	8 inches, 1920×1200 resolution, 450 nits of brightness
	touch screen	10-point touch, capacitive pen support
Image	Camera	5 million pixels on the front and 13 million pixels on the rear
Horns	loudspeaker	1.5W
Continuation	loudspeaker	Built-in non-removable pouch battery, 5000mAh/voltage 7.7V
	Battery life	The charging time is about 4.3 hours, and the use time is about 7.7 hours (The charging and discharging time is slightly different according to the actual usage, please refer to the actual usage time)
	charger	DC 12V 4A (Charged)
Wireless communications	Networking	4G LTE, 3G WCDMA, 2G GSM, Quectel EC25-AUX
	4G	TDD_LTE: B40, FDD_LTE: B1/B2/B3/B4/B5/B7/B28
	3G	WCDMA: B1/B2/B4/B5/B8
	2G	GSM/EDGE: B2/B3/B5/B8
	Navigation and positioning	Beidou BDS, GPS, GLONASS
	WIFI	802.11a/b/g/n/ac Wireless Internet, Wireless AP, Mobile AP 2.4G/5GDual-band
	Bluetooth	Bluetooth 4.2
I/O interface	Extended display	1×HDMI
	SIM	1×SIM external card slot
	USB	3×USB 3.0
	Headphone jack	1×Earphone 3.5mm
	charge	1×DC（3.5*12mm）
	COM	1×RS232
	pogo pin	16pin on the back + 8pin on the bottom
Press the key	Button function	Volume Vol+/Vol-, Switch POWER, Scan F, Custom Buttons: P/H
sensor	Responses	Off-screen ambient light sensor｜compass｜air pressure sensor
Data acquisition	NFC	13.56 MHz, 7-15mm distance
	2D barcode scanning	No (optional Honeywell N4680)
	UHF Radio Frequency Identification	None (optional external M500, distance 3-6m)
	Fingerprint Recognition	None (optional AMF60)
	High-precision GPS	None (optional UM960/TU101)
multimedia	Picture	BMP, JPG,GIF,PNG
	Video	MEPG 1/2/4,H.263/H.264,RMVB,WMV/VC-1,MVC,AVS,MJPEG (UP TO 1080P)
	Audio	MP3,WMA,WAV,OGG,FLAC,ALAC,APE,AAC,AC-3,DTS
Structure	Outer shell	ABS/PC material, black
	Size	Product 234×144×16.8mm
	Weight	Net weight 0.7kg
reliability	Ingress protection	IP65-IP67 waterproof and dustproof
	Drop height	1.2m drop resistant
	Certification	MIL-STD-810G, ISO, IP67, MSDS
Environment	Working environment	-20 ℃ ~ 60 ℃
	Storage environment	-25 ℃ ~ 80 ℃
	Humidity	5%~95% non-condensing

Ordering Information

Model	Touch	size	resolution	CPU	storage	Camera	battery	LAN	RS232	HDMI	TF	SIM	USB2.0	USB3.0
SIP-M08 (i5-8200Y)	Capacitive Screen	8 "	1920×1200	i5-8200Y / 1.3GHz	8G+256G	5MP+13MP	5000mAh	N/A	1	1	N/A	1	N/A	3
SIP-M081 (i7-8500Y)	Capacitive Screen	8 "	1920×1200	i7-8500Y/ 1.5GHz	16G+512G	5MP+13MP	5000mAh	N/A	1	1	N/A	1	N/A	3

Configuration upgrade

name	remark	remark
memory	8G / 16G	Optional
hard disk	256G / 512G / 1TB	Optional
Screen brightness	1000nits optional	Optional
Data acquisition	Barcode scanning / UHF radio frequency identification / high-precision GPS	Optional

Accessories list

name	remark	quantity	remark
Packing box packaging	Product packaging	1	Standard
Charger	DC 12V 4A charger	1	Standard
Wrist strap	For hand grip	1	Standard
screw	For bracket mounting	2	Standard
Warranty card l	Soncci logo / neutral	1	Optional
Certificate of Conformity	Soncci logo / neutral	1	Optional
Charging base	For dock chargers	1	Optional
bracket	Bracket mounting	1	Optional
Car charger	For on-board charging	1	Optional