

## 10.1" Windows Industrial Rugged Tablet PC



## Product Introduction

SIP-M101/M102 Industrial Rugged Tablet PC is a high-performance device, equipped with Windows 10 operating system and intel i5-8200Y/i7-8500Y processor, with a 10.1-inch screen, optional high brightness 1000nits, while supporting a wealth of external and expansion needs, including Beidou, 2D barcode, UHF, fingerprint, NFC and high-precision GPS and other functions, to meet the needs of various industries, such as design and manufacturing, medical imaging, geological exploration and other fields.

## Key features:

- Powerful processing performance

Powered by the intel i5-8200Y/i7-8500Y processor, it is designed for high performance and low power consumption, ensuring stability even when multitasking. At the same time, it supports the Windows 10 operating system, which can be compatible with more applications and provide a flexible use environment.

- High definition and brightness display

Equipped with a 10.1-inch high-resolution display with a resolution of 1920x1200, 450 nits of brightness makes it clear in all lighting conditions, and the optional 1000 nits are ideal for bright lighting environments, whether it is working outdoors or in bright factory environments.

- Adaptable to a wide range of industrial needs

It supports 4G LTE network to ensure good connectivity and data transmission in all kinds of sites, and has a built-in high-precision GPS module and a variety of sensors to make it excellent in positioning, navigation and environmental monitoring.

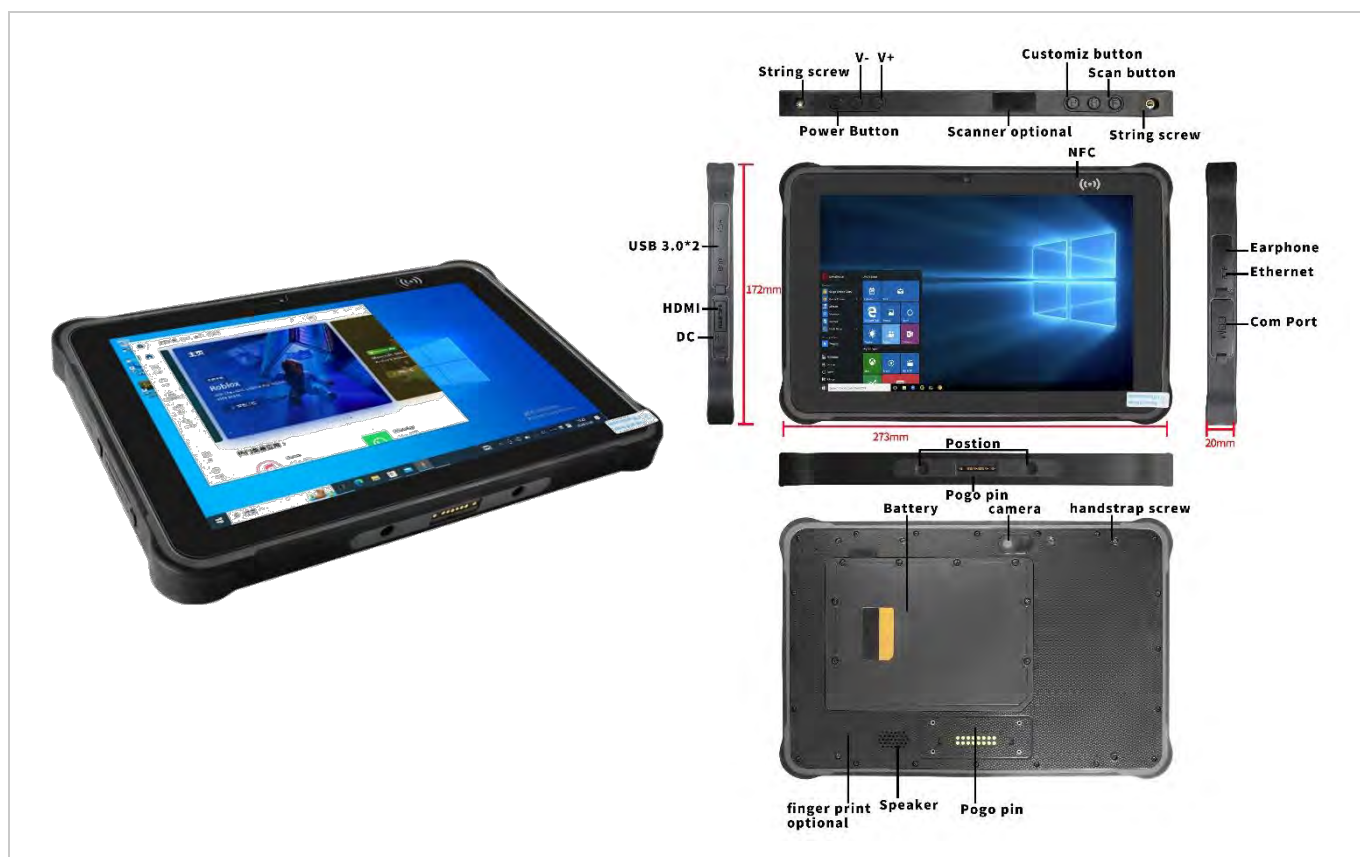
- Rugged design

MIL-STD-810G certified and IP67 rated to withstand harsh conditions such as water, dust and drops, making it suitable for use in harsh working environments. In the operating range of -20°C to 60°C, it still works normally, providing protection for the project.

- Freely choose the configuration

A variety of memory and storage options are available, with support for up to 16GB of RAM and 512GB of storage, ensuring that you can configure it to your specific needs. In addition, it also includes optional functions such as fingerprint recognition and high-precision GPS, providing users with more comprehensive protection and convenience..

## 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	10.1 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 removable polymer lithium-ion battery, 6000mAh/voltage 7.6V (45.6Wh)
	Battery life	The charging time is about 4 hours, and the use time is about 7.5 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
	TF	1×TF card slot (up to 128G)
	USB	2×USB 3.0
	Headphone jack	1×Earphone 3.5mm
	charge	1×DC (3.5*12mm)
	COM	1×RS232
	LAN	1×RJ-45
Press the key	pogo pin	16pin on the back + 8pin on the bottom
	Button function	Volume Vol+/Vol-, Switch POWER, Scan F, Custom Buttons: P/H
sensor	Responses	Under-display ambient light sensor   Compass   Barometric pressure sensor
	NFC	13.56 MHz, 7-15mm distance
Data acquisition	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)
	Picture	BMP,JPG,GIF,PNG
multimedia	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
	Outer shell	ABS/PC material, black
Structure	Size	Product 273×172×20mm
	Weight	Net weight 1.1kg
	Ingress protection	IP65-IP67 waterproof and dustproof
reliability	Drop height	1.2m drop resistant
	Certification	MIL-STD-810G, ISO, IP67, MSDS
	Working environment	-20 °C ~ 60 °C
Environment	Storage environment	-25 °C ~ 80 °C
	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-M101 (i5-8200Y)	Capacitive Screen	10.1 "	1920x1200	i5-8200Y / 1.3GHz	8G+256G	5MP+13MP	6000mAh	1	1	1	1	1	N/A	2
SIP-M102 (i7-8500Y)	Capacitive Screen	10.1 "	1920x1200	i7-8500Y/ 1.5GHz	16G+512G	5MP+13MP	6000mAh	1	1	1	1	1	N/A	2

## 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
Wristbands	For hand-held	1	Standard
screw	For bracket mounting	6	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