

10.1" Windows Industrial Rugged Tablet PC



Product Introduction

SIP-J101 industrial rugged tablet PC is a brand new device, equipped with Windows 10 operating system and intel N5100 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 engineering design, scientific research experiments, geological exploration and other fields.

Key features:

- Powerful processing power

Equipped with an Intel N5100 quad-core processor, 8GB of RAM and 256GB of storage, it can easily handle multitasking and various industrial applications. In addition, you can choose from 4GB of RAM and 64GB of storage according to your needs for more flexible application scenarios.

- High-definition highlighting

The 10.1-inch display delivers crisp images at a high resolution of 1920x1200, and 450 nits of brightness ensure a crisp viewing experience both indoors and outdoors. For use in bright light, a 1000 nit high-brightness version is also available for improved readability in direct sunlight.

- It is suitable for a variety of business scenarios

It supports 4G LTE networks to ensure that users will not be disconnected when working in the field. At the same time, it integrates a variety of positioning technologies (Beidou, GPS, GLONASS), which is particularly important for jobs that require precise positioning, and is equipped with a variety of sensors, including light sensors, compasses, and barometric pressure sensors, making it more widely applicable.

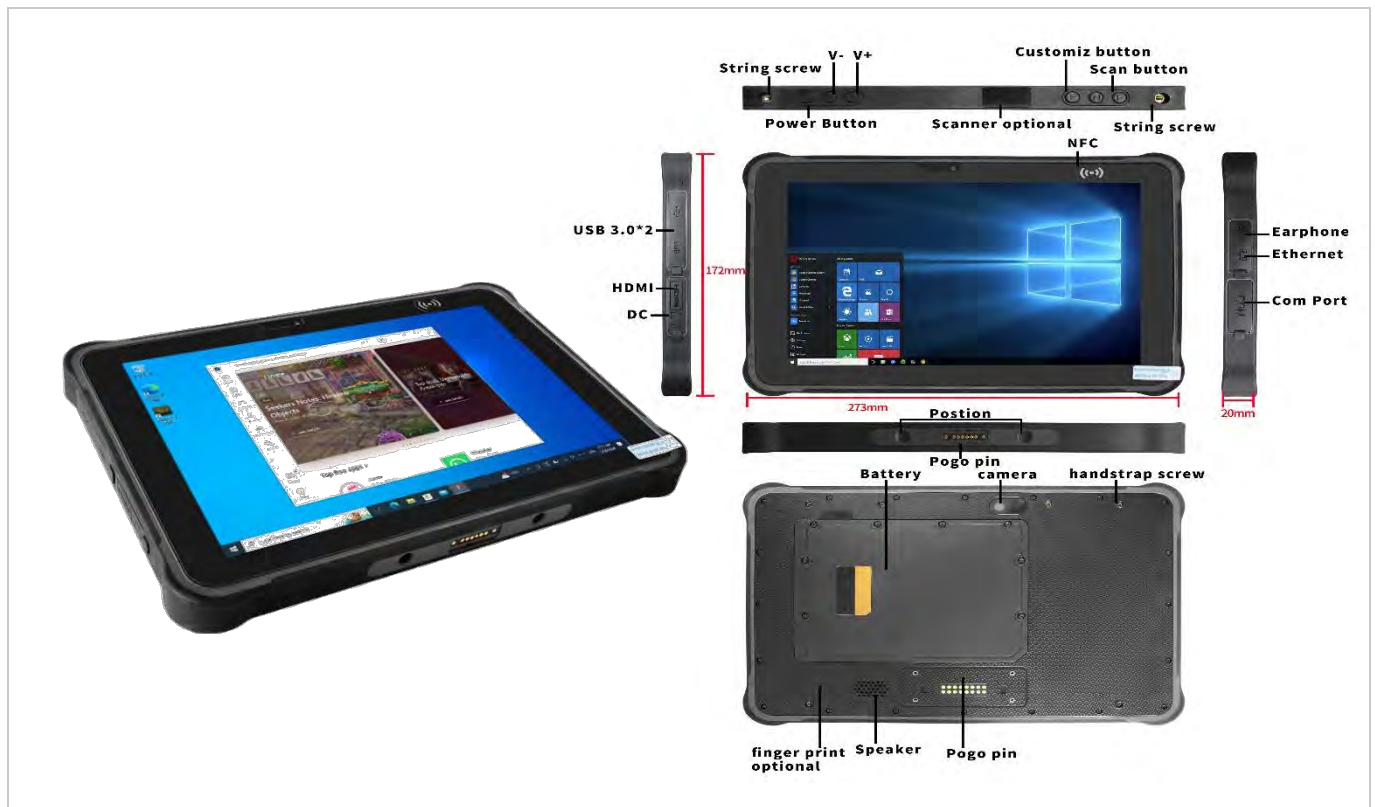
- Durability and protection

Certified to MIL-STD-810G and IP67, it is designed to operate from -20°C to 60°C and withstand a 1.2-meter drop, making it waterproof and dustproof for users who need to work in harsh conditions.

- Scalability and flexible configuration

Fingerprint recognition, high-precision GPS module and other functions can be selected to strengthen data security and positioning accuracy. In addition to the standard configuration, there are also several accessories to choose from, such as charging docks and car chargers, making it more suitable for the specific needs of users in different industries.

Dimensional interfaces



Specifications

system	operating system	Windows 10 (supports multiple languages, optional Home/Professional/IoT editions)
	C P U	intel Celeron N5100, 4 核 4 线程, 主频 1.10 GHz, 睿频 2.80 GHz
	Memory storage	8GB+256GB
screen	display	10.1 inches, 1920x1200 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
	loudspeaker	Built-in removable polymer lithium-ion battery, 6000mAh/voltage 7.6V(45.6Wh)
Continuation	Battery life	The charging time is about 4 hours, and the use time is about 8 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	1xHDMI
	SIM	1xSIM external card slot
	USB	2xUSB 3.0
	Headphone jack	1xEarphone 3.5mm
	charge	1xDC (3.5*12mm)
	LAN	1xRJ-45
	Aviation socket	2x airhead interface
	COM	1xRS232
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	Off-screen ambient light sensor compass air 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)
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 273x172x20mm
	Weight	Net weight 1.1kg
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 °C ~ 60 °C
	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-J101 (N5100)	Capacitive Screen	10.1 "	1920×1200	N5100/ 1.1GHz	8G+256G	5MP+13MP	6000mAh	1	1	1	N/A	1	N/A	2

Configuration upgrade

name	remark	remark
memory	8G / 16G	Optional
hard disk	64G / 128G / 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	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