

6.5" Windows Industrial Rugged Handheld Terminal Handheld



Product Introduction

The SIP-065 handheld terminal device has a 6.5-inch screen, supports Windows 11 operating system, is equipped with intel N100/N200 processor, is equipped with a rear 13-million-pixel camera, supports Beidou navigation, 2D barcode scanning, UHF, fingerprint recognition, NFC and high-precision GPS, and can meet the needs of multiple industries, including barcode scanning and payment in the retail industry and positioning and information collection in the logistics field. Whether on the factory floor, in the biomedical field, or in the outdoors, handheld mobile devices stand out for their ruggedness and versatility, making them ideal not only for industrial-grade solutions, but also for modern life where productivity is desired.

Key features:

▪Performance.

Equipped with intel N100/N200 quad-core processor, it provides stable and efficient computing performance, 8GB of RAM can easily cope with office software and daily applications, and up to 16GB of RAM makes multitasking smoother, and storage is available in 256GB and 512GB to meet the data storage needs of different users.

▪Superior display and touch experience

The 6.5-inch display has a resolution of 720x1600, 450 nits of brightness to ensure that it can be clearly seen in a variety of environments, and the 10-point touch technology makes the operation more convenient, whether it is to input and view data, or to interact, it shows its excellent human-computer interaction design.

▪Network connectivity and location capabilities

It supports 4G LTE, 3G WCDMA and GSM, and is compatible with a variety of frequency bands, so you can maintain a good network connection in both urban and rural areas. In addition, it has built-in GPS, Beidou and GLONASS to support users who need precise positioning services.

▪Durable and safe

With an IP66 rating, it is not only waterproof and dustproof, but also MIL-STD-810G certified for a 1.2-meter drop, making it an ideal tool for harsh working environments such as construction and power. At the same time, it can operate normally in the temperature range of -20 °C to 60 °C, which also ensures stable operation in harsh environments.

▪Abundant interfaces and expansion capabilities

A wide range of I/O ports, including a full-featured Type-C port, SIM card slot, and USB 3.0, facilitate data transfer and peripheral connection. If you need more powerful secondary development or application scenario support, there are also UHF RFID and high-precision GPS modules to choose from, which greatly improves the flexible use scenarios.

Dimensional interfaces



Specifications

system	operating system	Windows 11 (multi-language support, optional Home Edition/Professional Edition/IoT Edition)
	C P U	Intel N100, 4 cores and 4 threads, turbo frequency 3.40 GHz
		Intel N200, 4 cores and 4 threads, turbo frequency 3.70 GHz
	Memory storage	8GB+256GB (optional 16GB+512GB)
screen	display	6.5 inches, 720×1600 resolution, 450 nits of brightness
	touch screen	10-point touch
Image	Camera	5 million pixels on the front and 13 million pixels on the rear
Horns	loudspeaker	1.0W
Continuation	loudspeaker	Built-in non-removable polymer battery, 5000mAh/voltage 7.6V
	charger	20V 3.5A
Wireless communications	Networking	4G LTE, 3G WCDMA, 2G GSM
	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 5.0
I/O interface	Charge	1× Type-C (full-featured 65W fast charging)
	SIM	1×SIM external card slot
	TF	1× TF card slot
	USB	2×USB 3.0
	pogo pin	Bottom 8pin
Press the key	Button function	Volume Vol+/Vol-, Switch POWER, Scan SCAN, Custom Buttons×2
sensor	Responses	Under-display ambient light sensor Gravity sensor
	NFC	13.56 MHz, 7-15mm distance
Data acquisition	2D barcode scanning	No (optional NLS-N1/Zebra SE5500)
	UHF Radio Frequency Identification	None (optional external M500, distance 3-6m)
	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 180×85×22mm
	Weight	Net weight 0.45kg
reliability	Ingress protection	IP66 waterproof and dustproof
	Drop height	1.2m drop resistant
	Certification	MIL-STD-810G, ISO
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	Type-C	TF	SIM	USB 3.0
SIP-065 (N100)	Capacitive Screen	6.5 "	720×1600	N100/ 3.4GHz	8G+256G	5MP+13MP	5000mAh	1	1	1	2
SIP-065 (N200)	Capacitive Screen	6.5 "	720×1600	N200/ 3.7GHz	8G+256G	5MP+13MP	5000mAh	1	1	1	2

Configuration upgrade

name	remark	remark
memory	8G / 16G	Optional
hard disk	256G / 512G / 1TB	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	20V 3.5A charger	1	Standard
Warranty card l	Soncci logo / neutral	1	Optional
Certificate of Conformity	Soncci logo / neutral	1	Optional
Charging base	for dock charging	1	Optional