13.3" Windows Industrial Rugged Tablet PC

### Product Introduction

SIP-U13 Industrial Rugged Tablet PC is a powerful mobile workstation, with a 13.3-inch screen, equipped with Windows 11 system and intel i5-1235U/i7-1255U processor, equipped with a 6000mAh large-capacity battery, supporting external and expansion needs, including Beidou, 2D barcode, UHF, fingerprint, NFC and high-precision GPS, etc., suitable for professional needs in various industries, suitable for the need for high-performance computing, large-screen display, Industries with long battery life, such as design, engineering drawing, etc.

## Key features:

▪ Powerful performance
With Windows 11 support, up to 16GB of RAM and 512GB of storage in place, the tablet is exceptional for data processing and multitasking, from real-time data monitoring to complex computing tasks.
▪ Superior display
It can be equipped with a variety of options such as UHF modules, 2D scanning heads, fingerprint modules, etc., giving the device more powerful functions and a wider range of applications, with optional high-precision GPS and a variety of sensors, it has significant advantages in industrial monitoring and logistics management.
▪ Full connectivity capabilities
With a Full HD resolution of 1920x1200 and a brightness of up to 450 nits, the tablet guarantees excellent display results even in direct sunlight or strong external light. At the same time, its 10-point touch screen supports glove operation, making it easy to use in a variety of work environments.
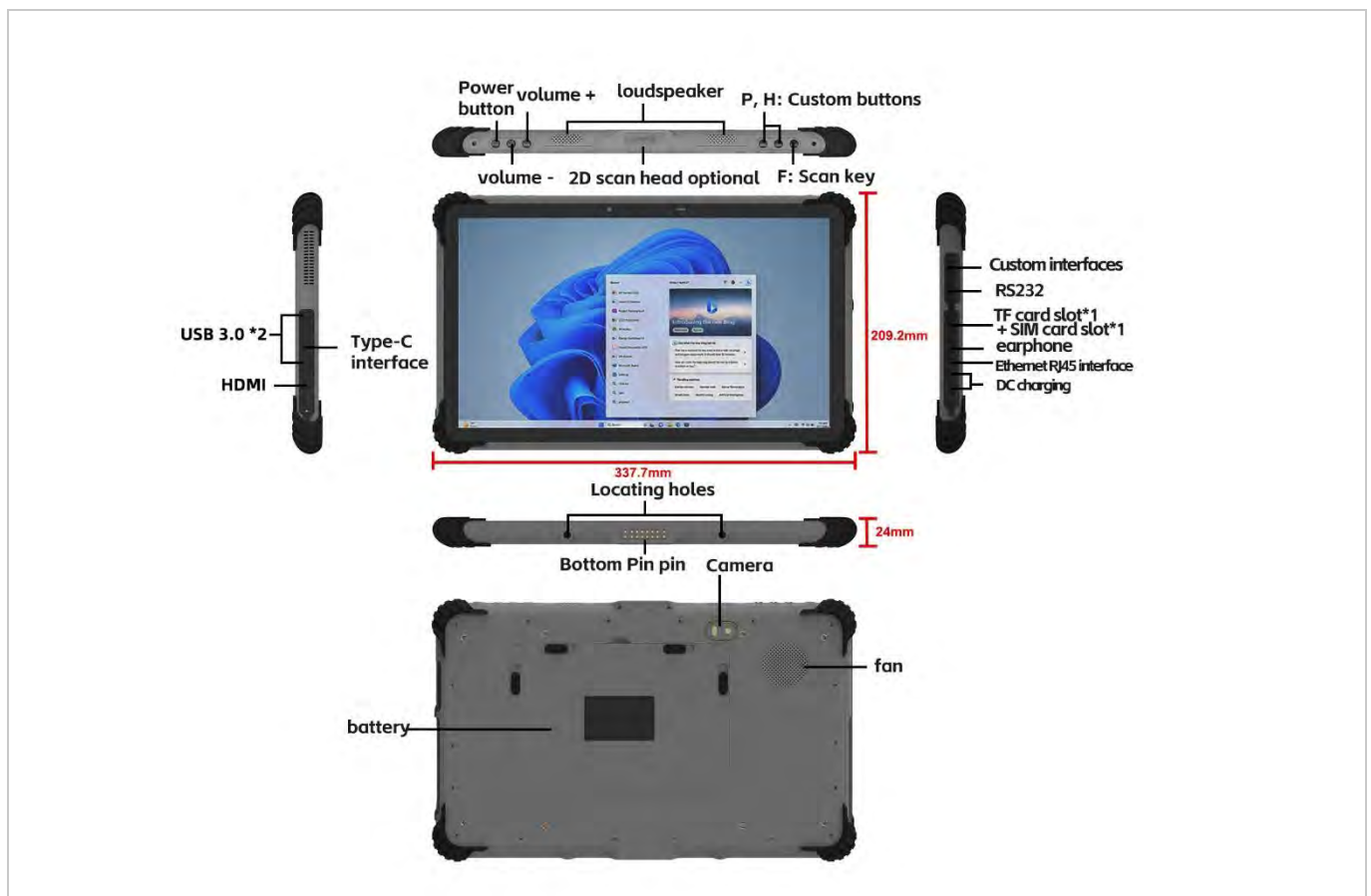▪ Enhanced durability
Rich interfaces, including USB 3.0, HDMI, RJ-45 Ethernet, etc., are handy for both data transmission and external device connection. In addition, it supports 4G LTE wireless connection and WIFI, which can seamlessly access the network in various occasions, which is very convenient for work.
▪ Scalability and flexibility
Certified with IP65 protection and a 1.2-meter drop test, it remains reliable even in harsh operating environments. The shell is made of composite materials such as ABS/PC/rubber, which effectively resists dust and moisture and provides peace of mind.

## Dimensional interfaces

## Specifications

| | | |
|---|---|---|
| system | operating system | Windows 11（multi language， home/pro/iot) |
| | C P U | intel Core i5-1235U, 10 cores and 12 threads, turbo frequency 4.40 GHz |
| | | intel Core i7-1255U, 10 cores, 12 threads, turbo frequency 4.70 GHz |
| | Memory storage | 8GB+256GB |
| screen | display | 13.3 inches, 1920×1200 resolution, 450 nits of brightness |
| | touch screen | 10-point touch, support stylus and thin glove touch |
| Image | Camera | 5 million pixels on the front and 13 million pixels on the rear |
| Horns | loudspeaker | 1.5W x 2 |
| Continuation | loudspeaker | 6000mAh/7.6V (45.6Wh) |
| | charger | DC 4.0×1.7mm, 12V DC input, or type-C |
| 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 | Extended display | 1×HDMI |
| | SIM | 1×SIM external card slot |
| | TF | 1× TF card slot |
| | USB | 2×USB 3.0 |
| | Headphone jack | 1×Earphone 3.5mm |
| | charge | 1×DC（4.0×1.7mm） |
| | LAN | 1×RJ-45 |
| | Type-c | 1×Type-c |
| | Aviation socket | 2× airhead interface |
| | COM | 1×RS232 |
| | pogo pin | Bottom 16pin |
| Press the key | Button function | Volume Vol+/Vol-, Switch POWER, Scan F, Custom Buttons: P/H |
| sensor | Responses | Under-display ambient light sensor | Accelerometer | Gravity sensor |
| Data acquisition | NFC | 13.56 MHz, 1-3mm 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 0.25-1m positioning high accuracy) |
| 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 330×205×20mm |
| | Weight | Net weight 1300±100g |
| reliability | Ingress protection | IP65 waterproof and dustproof |
| | Drop height | 1.2m drop resistant |
| | Certification | MIL-STD-810G， ISO |

| 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 | Type-c | USB3.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIP-U13 (i5-1235U) | Capacitive Screen | 13.3 " | 1920×1200 | i5-1235U | 8G+256G | 5MP+13MP | 6000mAh | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| SIP-U13 (i7-1255U) | Capacitive Screen | 13.3 " | 1920×1200 | i7-1255U | 8G+256G | 5MP+13MP | 6000mAh | 1 | 1 | 1 | 1 | 1 | 1 | 2 |

## Configuration upgrade

| name | remark | remark |
|---|---|---|
| memory | 8G / 16G | Optional |
| hard disk | 256G / 512G / 1TB | Optional |
| WIFI | WIFI 6 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   charger | 1 | Standard |
| Wrist strap | For hand grip | 1 | Standard |
| Carry straps | For hand-held | 1 | 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 |