



SF818

Android 14 Rugged tablet pc



Functions



Applications

Including industrial manufacturing, logistic management, warehouse management, asset Management, animal management, etc...



Specification

General Specification

Dimensions	232*158*22
Display	8 inch LCD screen, 1920*1200IPS 500nits brightness, capacitive touch screen
Keyboard	Android menu, homepage, return, volume, scan, on/off, reset (long press on/off key) function keys
Power	3.8V, 10000mAh temperature wide battery, Supporting working 2.5-3 hour on -20℃
Weight	810g
External Ports	USB port: Type C, Support USB OTG function, USB flash drive, mouse, network card, HDMI port(optional),Charge port, headphone port
Sensors	Support Gravity sensor,compass , gyroscopes, Light and distance sensor, Vibrating motor,Acceleration
Camera	1600W pixel rear camera, 800W pixel front camera, rear camera with LED light and flashlight function.
OTG	Through OTG can meet 100M network port, network card setup, MAC address supports dynamic and fixed, default fixed mode, PPPoE dial-up, web browsing. Support OTG extend RS232 serial port/485 serial port/RJ45 Serial port
Other support	• LED indicator light (ordinary flicker, Call fast flicker, missed calls, charge indicator) • Flashlight Function (can be used for emergency lighting) • Googleplay store
Headset	3.5 mm audio Interface, has MIC and Single loudspeaker
Mic and Loudspeaker	Support

Communication

WIFI	Support IEEE802.11a/b/g/n/ac,2.4G and 5G dual band
2G/3G/4G LTE	Supports 4G frequency band: LTE FDD B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B66/B71 LTE TDD B34/B38/B39/B40/B41 WCDMA B1/B2/B3/B4/B5/B6/B8/B9/B19 GSM 850/900/1800/1900
WWAN (America)	3G: WCDMA B2/B4/B5 4G:FDD-LTE: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26
Bluetooth	BT5.0 with BLE
GPS/AGPS	GPS, Beidou+GLONESS, supports A-GPS GPS+Beidou: Ublox F9P/M8N, N303 Optional
Certification support	3C/FCC/CE/ROHS/UN38.3(Battery)/MIL-STD-810 G/1m-1.2 m drop certification

Optional Function

Barcode	1D Laser Scanner Index(Internal): Honeywell N4313 or Zebra EM1350 Scanning speed: 104 times/second+12times /second(two way scanning) Scanning distance: 2.5cm-114.3cm Scanning angle: 47±3°(default) /35±3°(reduced code)
RFID	2D Barcode Scanner Index(Internal): NLS N1;Motorola SE4750;Honeywell N6603 Identification ability: 1D, 2D, OCR Scanning angle: rotate 360°,incline±50°, deflection ±50° Field of View: Horizontal 36°, vertical 23° Depth of field: 4cm-23.5cm Environmental luminance: 0~100,000 LUX
	LF RFID: • 134.2KHZ FDX LF RFID, support ISO11784/5 protocol, • 125KHZ LF RFID, support to read ID card

Performance

OS	Android 14.0
CPU	Qualcomm, 8 core, 2.4GHz
RAM/ROM	RAM: 6GB; 4GB is optional ROM: 128GB; 64GB, 256GB is optional
Extend Memory	Micro SD, Maximum 512G
User Environment	
Working Temperature	-20°C~+60°C
Storage Temperature	-40°C~+60°C
Humidity	5%-95% relative humidity(no condensation)
IP Level	IP67
Drop Grade	Drop resistance from 1.2m

UHF RFID: Internal:

Ray links RLM060 or ThingMagic M6E-NANO, EPC C1 GEN2/ISO 18000-6C, output power 10dBm-30dBm

Reading distance: 1 m

Ceramic antenna: 0.3db(25*25*4mm)

NFC RFID(Internal):

Support NFC, 13.56MHZ ISO14443A,B and ISO15693 protocol, **reading distance:** 0-3cm,

Tag support type: SR176, SR1X4K (TYPE-B), I-Code2, TI RFID Tag-it HF-I, EM4034,Mifare Classic ETC

Fingerprint read module (Optional)

Supports fingerprint entry, image collection, fingerprint recognition, fingerprint deletion etc.

Type: TCSIST

Sensor type: capacitive

Effective image size:12.8mm x 18.0mm Image Size: 256*360

Resolution: 508 ppi (dpi)

contrast mode(1:1); search mode(1:N) FIPS 201 compliant capability (TCS1)



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