NB801S Industrial Tablet

Industry–leading, high.speed octa–core CPU

Based on and exceptinal leading 12nm process technology, the high–speed octa–core CPU offers advanced features andexceptional performance, allowing it to run a wide range of applications at lightning speed.

Extremely rugged 8–inch screen for enhanced durability

The device utilizes Corning Gorilla Glass 3, a secondary tempered glass, providing enhanced screen hardness, drop resistance, and scratch resistance.The device boasts a built–in 8000mAh battery, delivering over12 hours of continuous operation, ensuring maximum battery life for extended outdoor use.

Diverse Data Collection Functions and Strong Protection

The device can flexibly integrate RFID, barcode scanning, fingerprint recognition, ID card reader, facial recognition,NFC, and PSAM, effectively meeting the needs of diverse application scenarios. It also meets IP65 protection standards, providing complete protection against dust intrusion and splash resistance, meeting indoor and outdoor waterproof requirements.

Application

| Mobile attendance | Mobile inspection | Forklift management | Campus management | Equipment Operation management |

Product parameters

Basic Parameter

Overall size	238 × 146 × 20 ± 2mm
Overall weight	1000g
Display sereen	Tough 8.0 in.HD 800*1280
Touch screen	Support capacitive pen multi−touch
Expansion slot	1 TF slot，2 PSAM
Interface	Type−c data interface
Indicator lamp	Charge indicator lamp
Keyboard	4 TP keys,4 function keys
Camera	Front camera 5MP Rear camera 13 MP
Flashlight	Low power LED lighting emergency use
GPS	GPS(embedded A−GPS) accuracy of 10 m

Performance Parameter

CPU	Cortex A73 , 2.0GHz Octa−core
Storage	RAM:4GB ROM:64GB
Extended	Support MicroS（max 256GB expansion）
OS	Android 10
Data Communication	4G:TD−LTE Band38/39/40/41 FDD−LTE Band 1,2,3,4,7,17,20 3G:WCDMA(850/1900/2100MHz); 2G:GSM/GPRS/Edge (850/900/1800/1900MHz)
WIFI	2.4G/5G dual band.Comp;iance with IEEE802.11a/b/g/n/ac
Bluetooth	Bluetooth 4.2

Development Environment

SDK	Handheld−Wireless Software Development Kit
Language	Java
Environment	Android Studio or Eclipse

Working Environment

Operating Temp	−20℃~50℃
Storage Temp	−20℃~70℃
Humidity	5%~95% (non−condensation)
IP rate	IP65

Battery Performance

Battery capacity	8000mAh
Standby time	About 720 hours after turn off all functions
Charging time	Less than 6 hours
Working hours	More than 14 hours (once full charged)

Barcode Acquisition(optional)

Scan engine	2D barcode Scanner
2D barcode	All major 1D barcode
	PDF417, MicroPDF417, Composite, RSS, TLC−39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode, Postal Codes,US PostNet, US Planet, UK Postal, Australian Postal,Japan Postal, Dutch Postal etc.

RFID (optional)

RFID LF	Frequency 125KHz/134.2KHz(FDX−B/HDX)
	Protocol ISO11784&11785
	R/w Range 0cm to 7cm
RFID HF/NFC	Frequency 13.56MHz
	Protocol ISO14443A/B ISO15693, NFC−IP1,NFC−IP2,etc.
	R/w Range 0cm to 3cm
RFID UHF	Frequency 865~868MHz or 920~925MHz
	Protocol EPC C1 GEN2/ISO 18000−6C
	R/w Range 0 to 2m(tags and environment dependent)
	Antenna Gain Circular antenna(4dBi)
	R/w Range 0 to 20m(tags and environment dependent)

Fingerprint reader (optional)

Sensor	TCS1
Sensor type	Capacitive,area sensor.
Resolution	500 DPI.
Performance	FRR<0.008%，FAR<0.005%
Capacity	1000

Psam (optional)

Protocol	ISO7816
Baudrate	9600, 19200, 38400,43000, 56000,57600, 115200l
Slot	2 slots(maximum)

Attachment

Standard	1 Power Supply, 1 USB data cable 1 DC charging cable

CCC CE FC IP65