

Rugged Tablet with Removable Battery **W80NX**



Product Protection

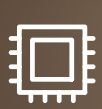
- Dustproof, waterproof, shockproof, explosion-proof



Win10



WiFi-6



CPU



GPS



Camera



NFC
ODM



Interface
ODM



ID
ODM



1D/2D
ODM



5G net
ODM



Removable Battery

- 7.6V 4700mAh High-Voltage Lithium Battery, Removable



Safety

- Built-in TPM security chip



System

- Win 10 (Included), optional Win 11 or Ubuntu 22.04.5

win10

win11

ubuntu

Temperature

- Withstands Extreme Temperatures:
(-20 ~ +60°C)



Positioning

- GPS、GLONASS
(U-BloxM7)



Camera

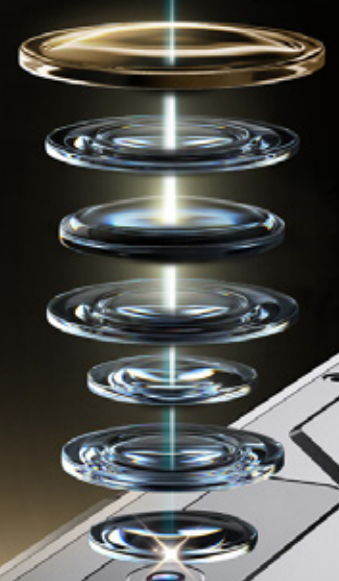
- Front camera:5MP
Rear camera:8MP



5MP



8MP



Product form	
Configure	HD High-Brightness 8+128GB HD+ High-Brightness 8+128GB HD+ High-Brightness 16+256GB
Size /weight	Bare metal: 232.2*151.3*30.4mm/895g , In packaging : : 335*175*68mm/1522g
Box specifications	Packing Quantity: 10pcs/carton; Outer Carton Dimension: 38*35.5*37.5cm; Gross Weight per Unit: 15.8kg
Color	Black , color customizable
Screen size	8inch , 16:10
Resolution	IPS 1280*800 /1920*1200
Screen brightness	700cd/m²
Tp touch screen	10-point touch G+G Corning Gorilla Glass, hardness 7H
Battery	7.6V 4700mAh High-Voltage Lithium Battery, Removable

camera	
camera	Front camera: 5MP fixed focus (custom16MP) Rear camera: 8MP auto focus 1A true flash

Buttons	
Buttons	Power button*1,Volume keys*2, Vol+, Vol- Custom keys*2, P key, F key

Operation system	
Operation system	Windows 10 , Optional Windows 11 、 Ubuntu 22.04.5

Data collection	
1D/2D scanner (Customized)	Standard version (N1) 0.3M pixels + depth of field Code 39 5mil 65~150mm + red light Reading code system: 2D: PDF417, QR Code, Micro QR, Data Matrix 1D: Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, ISSN, Code 93, UCC/EAN- 128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, AIM128, Plessey, MSI-Plessey High-end version (N670) 1.0M pixels + depth of field Code 39 5mil 45~200mm + cross laser Read code system : : 2D : QR Code, Data Matrix, PDF417 , Han letter code , Dotcode 1D : UPC-A, UPC-E, EAN-8, EAN-13, ISBN, Code 128, GS1 128, ISBT 128, Code 39, Code93,Code 11, Interleaved 2 of 5, Industrial 2 of 5,Matrix 25, Standard 25, Codabar,MSI/M- SI PLESSEY, GS1 DataBar OCR : Support OCR-A , OCR-B
NFC(Customized)	Supports 13.56 MHz protocols including 14443A, 14443B, and 15693.Mutually exclusive with 4G/5G module (Choose one).

Mainboard reserved expansion interface	
Extension Interface	3.3V-1A/5V-1A power supply, UART interface, interface level 3.3V, USB2.0 interface,5V 1A power supply

Other	
Adapter	12V/4A , DC interface adapter
Accessories	Strap/Charging Dock/Stand (optional)

Explosion-proof information	
Explosion-proof version	EX Class II Petrochemical Explosion-Proof

Hardware configuration	
Speaker, receiver, microphone	(speaker 1W/8Ω aluminum film) *2, waterproof speaker; MIC*1,waterproof rating
CPU	Intel JASPER LAKE N5100 Quad Core 4 Thread 1.1GHz-2.8GHz
RAM/ROM	8G+128GB /16G+256GB
TPM	Built-in TPM security chip
Gravity sensor	Support

Wireless connection	
WIFI	WIFI 802.11 (a/b/g/n/ac/ax) frequency 2.4G+5.8G dual-band WIFI Dual frequency WIFI6
Bluetooth	Bluetooth 5.2 transmit distance : 10m
2G/3G/4G (custom function)	LTE-FDD : B1/2/3/4/5/7/8/12/13/14/18/19/20/25/26/2 8/66/71 LTE-TDD : B38/39/40/41 WCDMA : B1/2/4/5/6/8/19
5G (custom function)	-EA:Region:EMEA,Australia,Japan,Korea 5G SA&NSA: N1/N3/N5/N7/N8/N20/N28/N38/N40/N41/ N71/N77/N78/N79 LTE-FD- D:B1/B3/B5/B7/B8/B18/B19/B20/B28/B32 LTE-TDD:B34/B38/B39/B40/B41/B42 WCDMA:B1/B5/B8 -CN:Region:China 5G SA&NSA: N1/N28/N41/N78/N79 LTE-FDD:B1/B3/B5/B8/B28 LTE-TDD:B34/B38/B39/B40/B41 WCDMA:B1/B8 -NA:Region: North America 5G NR : N2/N5/N7/N12/N13/N14/N25/N38/N41/N4 8/N66/N71/N77/N78 LTE-FD- D:B2/B4/B5/B7/B12/B13/B14/B17/B25/B26 /B66/B71 LTE-TDD:B38/B41/B42/B43/B48 WCDMA:B2/B4/B5
Positioning system	GPS、GLONASS ,Optional Single-System BeiDou Positioning

Ports	
Type -C	*1 , USB3.0 Support PD charging
Type -A	*1 , USB3.0
Earphone Jack	*1 , 3.5mmStandard headphone jack
TF Card	*1 , Maximum support 256GB expansion
SIM Card	*1 , Standard Micro SIM card slot
HDMI	*1 , Micro HDMI
DC port	*1, 12V-4A (DC plug outer diameter 3.5mm inner diameter 1.35mm)
POGO pin	*1 , 12Pin USB+charger
RJ45	*1 , 100M

Product reliability	
Drop height	Meets the requirements of (GJB 150.18A-2009, GJB 150.1A-2009) and (MIL-STD-810H) for the 1.22-meter drop test
Working temperature	-20℃~60℃
Storage temperature	-30℃~60℃
Humidity	Humidity: 95% Non-Condensing
Certificates	IP67, 3C, CE, US military standard-810H certification,energy saving certification, ISO quality certification system, ROHS, three-proof salt spray test

Product Highlights

01

HD

Highly powerful

4-core
4-wire

This rugged tablet W80NX is equipped with the Intel JASPER LAKE N5100 processor, featuring powerful computing capability of 4 cores and 4 threads with a frequency range from 1.1GHz to 2.8GHz, which can easily handle various complex tasks.In terms of storage, it offers multiple configuration options, including 8GB + 128GB (Standard Resolution & High Brightness), 8GB + 128GB (High Resolution & High Brightness), and 16GB + 256GB (High Resolution & High Brightness), fully meeting the storage capacity needs of different users.Meanwhile, it has a built-in TPM security chip to protect data security, and the gravity sensing function further enhances the user experience.In terms of the system, it supports Windows 10, with optional Windows 11 or Ubuntu 22.04.5, adapting to different software ecosystems and usage scenarios.

02

Battery

High-capacity battery

7.6V 4700mAh
Removable Battery

Battery life is one of the key indicators for mobile devices. The W80NX is equipped with a 7.6V 4700mAh high-voltage lithium battery, which delivers a battery life of ≥7 hours when playing 1080P HD videos with the brightness and volume set to 50%, fully meeting the demands of prolonged daily usage.

03

Hammer

Robust Design

IP67 protection

The W80NX excels in reliability and durability. It passes the 1.22-meter drop test compliant with the standards of GJB 150.18A-2009, GJB 150.1A-2009 and MIL-STD-810H, withstanding accidental drop impacts. It features an operating temperature range of -20℃ to 60℃ and a storage temperature range of -30℃ to 60℃, adapting to a variety of extreme environments. In addition, it holds an IP67 ingress protection rating, providing effective dust and water resistance. Meanwhile, it has obtained a number of authoritative certifications including 3C, CE, MIL-STD-810H, Energy-saving Certification, ISO Quality Management System Certification, ROHS and three-proof salt spray test, making its quality trustworthy.

04

Hand

Exceptionally tactile

10-point touch
Hardness ≥7H

The W80NX features a 10.1-inch 16:10 display, available in two IPS resolutions:1280*800 and 1920*1200, delivering sharp and delicate visuals. With a high brightness of 700 cd/m², it ensures excellent display performance under all lighting conditions. The TP touch screen supports 10-point multi-touch with a hardness rating of ≥7H, boasting superior wear resistance. It is also compatible with medical rubber glove operation, making it highly user-friendly for professionals in the medical and other special industries. Additionally, a wet-touch screen function is available as a custom option, adapting to more complex usage environments.

Interface



Usage Scenarios



Accessories

Two-point carry handle (optional)



Waterproof Case (Optional)



Crossbody bag (optional)



Four-point harness(optional)

