NEXGO N86

Version 8.1 Issued December 2022

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BASED ON
Android 9.0

Quad-Core
Processor

N86

Next Generation
Smart POS Terminal

Impeccable quality and appearance make N86 irresistible. It delivers strong performance through the operation system powered by Android 9.0 and a quad-core 1.4 GHz high-speed processor. The innovative design combines the arts and advanced protection technology. And N86 is power-efficient, standby time is up to 240 hours.

Performant
Android 9.0 & Quad-Core Processor

Robust
and Artistic Design

Power-Efficient
240+ Hours Standby

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Outstanding Performance

N86 is powered by Android 9.0 and uses a quad-core 1.4GHz high-speed processor.

Quad-Core
1.4GHz

Memory
1GB RAM + 8GB Flash
2GB RAM + 16GB Flash(Optional)

Get more

"Android 9 harnesses the power of artificial intelligence to give you more from your phone. Now it's smarter, faster and adapts as you use it."

Android 9 Pie

android

Rock-Solid

N86 has industrial-grade design and can withstand a drop of up to 1.5 meters on the marble floor.

Rugged
IP54 Dustproof & Waterproof, Shockproof

ATEX Certified
ATEX International Certification

◢NEXGO

ATEX Certified

N86 can be safely and reliably used in hazardous workplaces, such as gas stations, chemical industry and petrochemical industry.

It is proved not to be a source of ignition or explosion under potentially explosive atmospheres, and it can withstand a certain extent of blast and heat without causing a secondary explosion or fire.

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Innovative Design

N86 is not like any Smart POS we designed before as it boldly combines the arts and advanced protection technology which makes N86 the most beautiful and durable smart POS terminal than ever.

A Piece of Art
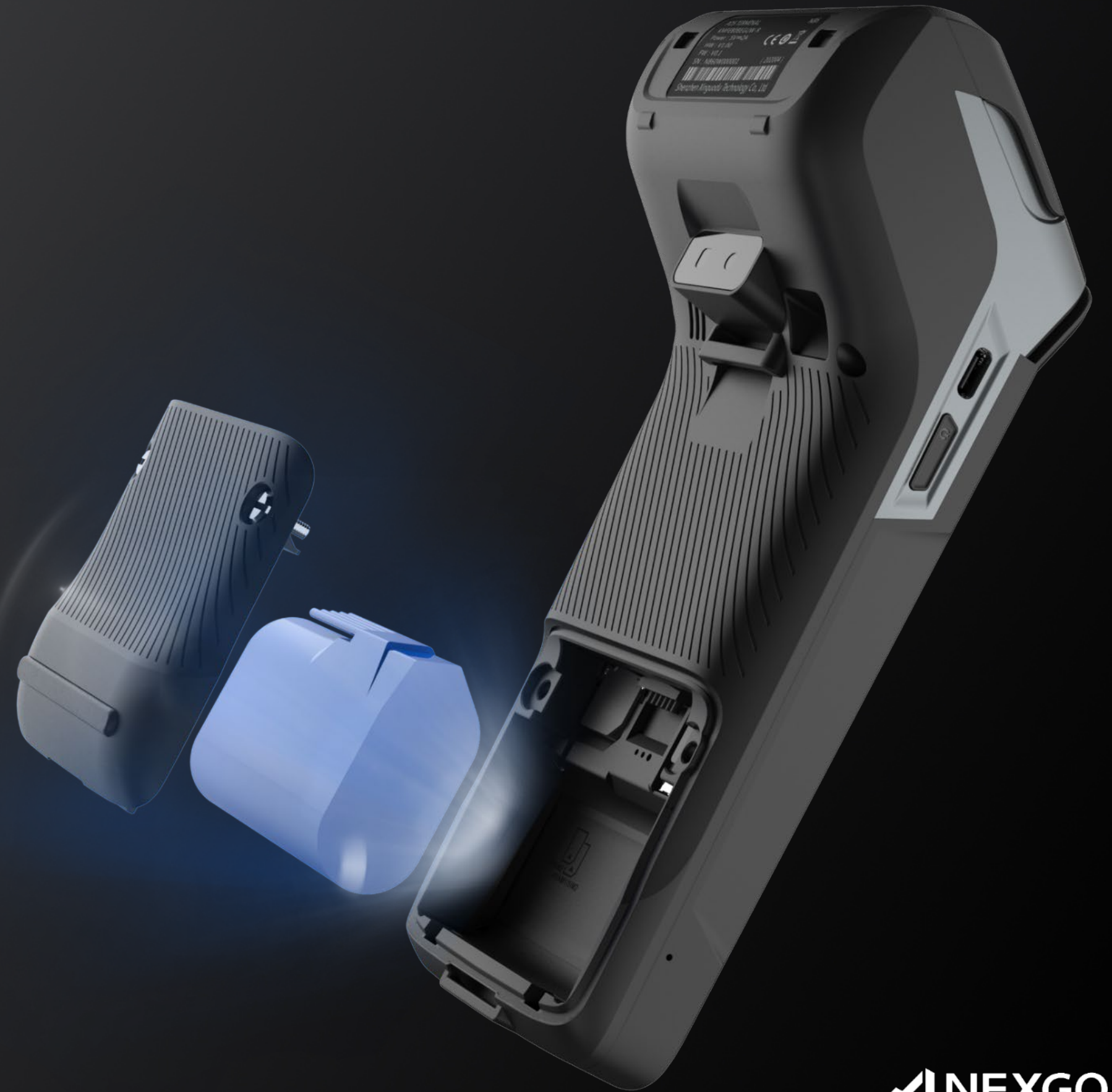Streamlined and Golden Section Design

Power-Efficient

The industry's top level battery performance and ultra-low power consumption design make 7.4V 2600mAh li-ion battery of N86 supports 600+ receipt printings, standby time is up to 240 hours.

240+ Hours Standby

600+ Receipts

* 7.4V 2600mAh battery equals to 3.7V 5200mAh battery.

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Professional Scanner

The professional scanning engine of N86 supports high-speed recognition of 1D and 2D barcodes even if the barcode is damaged or dirtied.

Symbologies: Codabar, Codablock, Code 11,Coda 39/Code 93/UPC/EAN, DataMatrix, MaxiCode, MicroPDF 417, MSI Code, PDF417,QR code, etc.

Clearer and Faster Printing

A unique high-pressure printing technology is used to the thermal printer of N86, printed text and graphics are clearer. The printing speed is increased to 80 mm per second.

High-Pressure Printing

80 mm/s

58 mm

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Payment Methods

N86 accepts payments of magnetic strip cards, IC cards, contactless/NFC and 1D&2D codes.
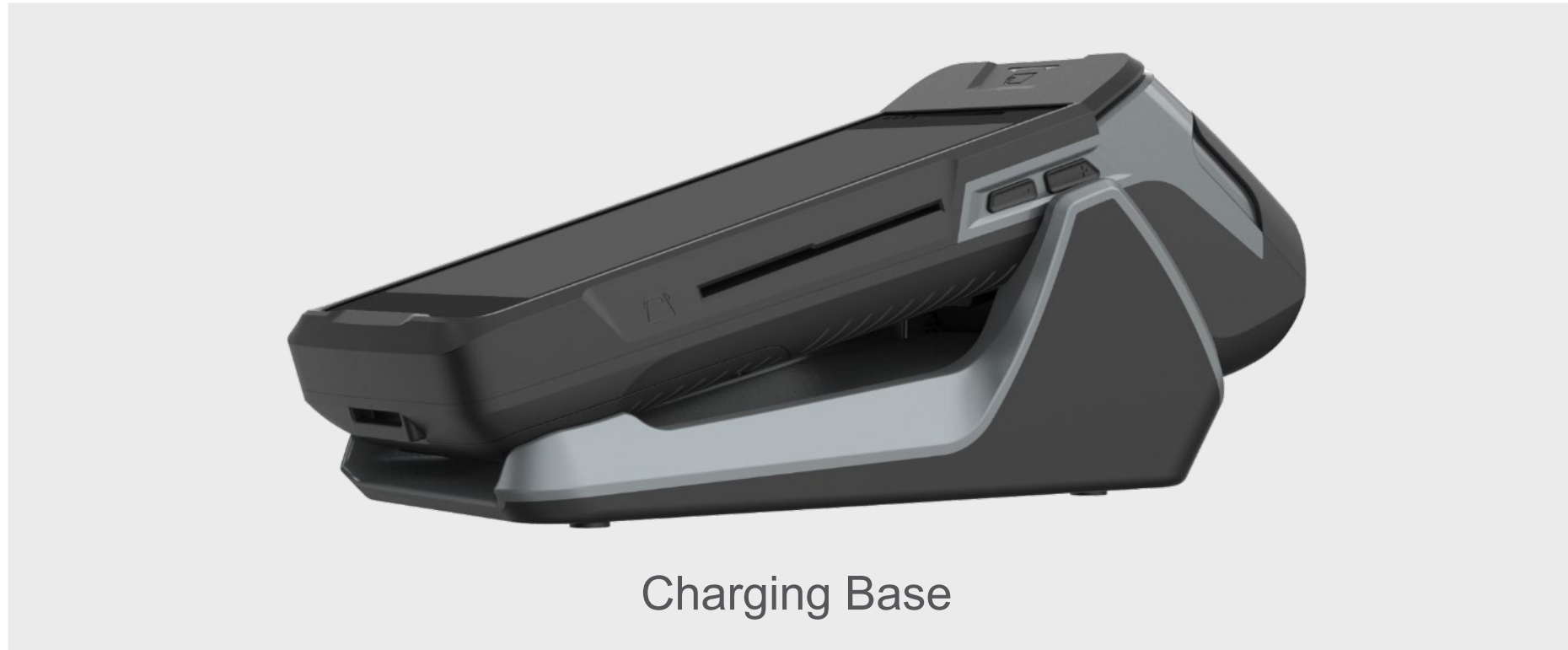
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Certifications

N86 Smart POS Terminal

Operating System Powered by Android 9.0	**Printer** High Speed Thermal Printer, Paper Roll Width : 58mm, Diameter: 40mm	**Location** GPS, GLONASS or BeiDou	**Physical** 194mm Lx80mm Wx68.8mm H 420g(Battery Included)
Processors Quad-Core 1.4GHz Processor Security Chip	**Card Readers** Magstripe Cards: Track 1/2/3, Bi-Directional, ISO7811 Smart Cards : EMV, PBOC Approved Contactless Cards: 13.56MHz, ISO14443, Type A/B, QPBOC Approved	**Camera** Rear Camera: 2 MP, FF 5 MP, AF with Flash(Optional) Front Camera: 2 MP, FF(Optional)	**Environmental** Operating Temperature : 0° C to 50° C Storage Temperature : -20° C to 60° C Shockproof:1.5m Relative Humidity : 5% to 95%(Non-Condensing)
Memory 1GB RAM + 8GB Flash 2GB RAM + 16GB Flash(Optional) (Micro SD Card Supported, up to 128GB)	**Peripheral Ports** 1 x Type-C OTG, 1 x SD3.0; 1 x SIM + 2 x SAM, Or 2 x SIM+1 x SAM(Optional)	**Audio** Built-in Speaker	**Accessories** Charging Base Scanning Module(Built-in) Wristband Fingerprint Module(Built-in)
Display 5.0" HD (1280 x 720) Color Screen Capacitive Touchscreen, Multi-Touch	**Communication** 4G/3G/2G Wi-Fi, 802.11b/g/n, 2.4GHz BT4.2	**Battery** 7.4V/2600mAh Equals to 3.7V 5200mAh battery Rechargeable Li-ion Battery	**MTTF** > 50000 Hours
Keys 1 Power Key, 2 Volume Keys	**PIN Pad** Software PIN Pad	**Adaptor** Type C 5V/2A	**Certifications** CCC, CE, ATEX, IP54; EMV3.0, L1&L2, PBOC/QPBOC, Paypass, PayWave, JCB, AMEX, Discover, TQM; PCI6.X, UPTS 3.0

Accessories

Charging Base

Fingerprint Module(Built-in)

Scanning Module(Built-in)

Wristband

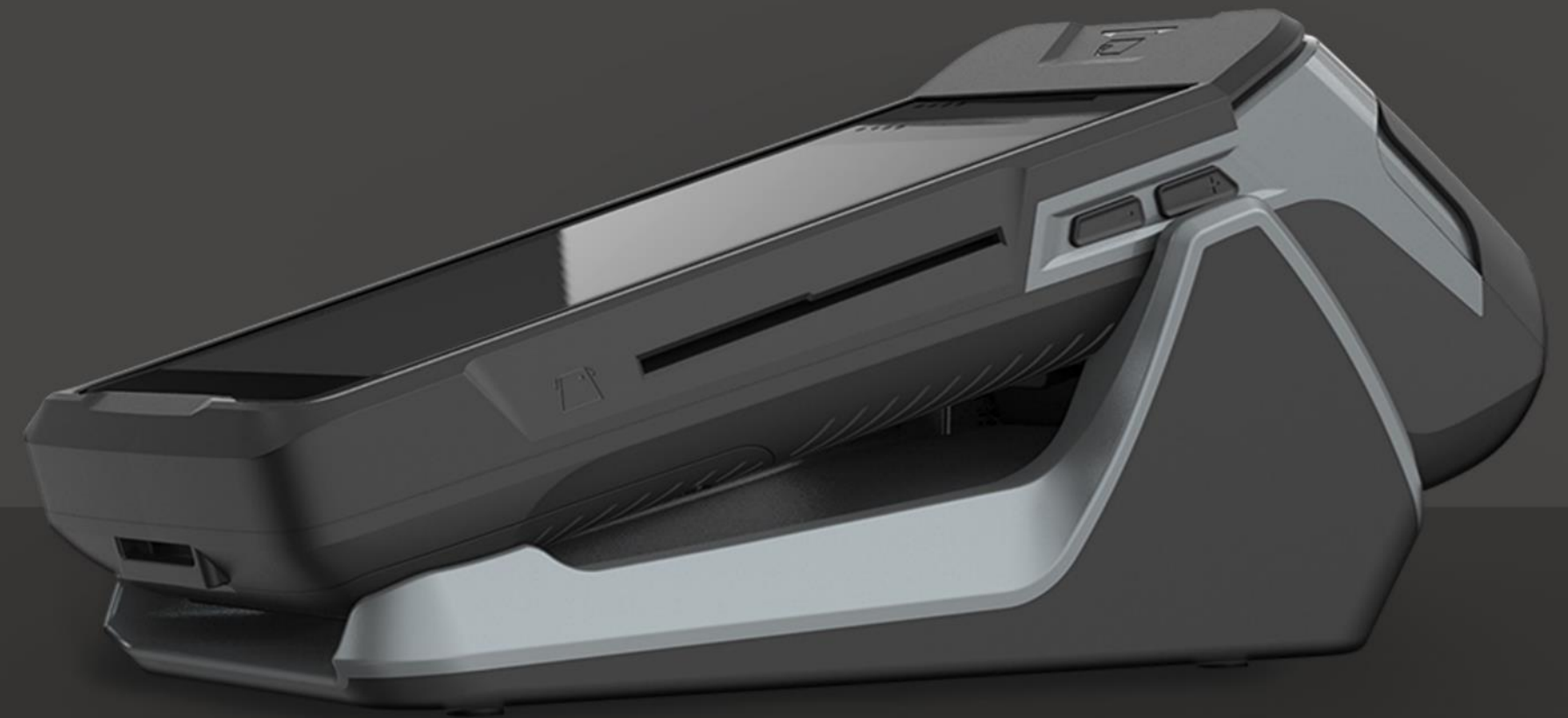NEXGO

Charging Base

Version 1

Adaptor: Type C 5V/2A

Version 2

Adaptor: Type C 5V/2A
RS232: RJ45, 115200bps
LAN: RJ45, 10M/100M

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Scanning Module(Built-in)

- **Precision**
≥3mil

- **Image Sensor**
640*480 CMOS

- **Code Scanning**
2D: PDF417, QR Codes, Data Matrix, etc.
1D: Code 128, EAN-13, EAN-8, etc.

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Wristband

- Prevents N86 from falling
- Elastic and Adjustable

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Fingerprint Module(Built-in)

- **FAR(False Acceptance Rate)** < 0.001%
- **FRR(False Rejection Rate)** < 0.1%
- **Verification Time** < 0.6s

- **Comparison:** 1:N, 1:1
- **Standards**：ANSI378, ISO19794-2
- **Resolution**：500dpi

THANK YOU!

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