



# PNC660

MISSION CRITICAL RUGGEDIZED DEVICE

*Mission First* <> *Safety Always*





# OverviewXXXX

The PNC660 features advanced hardware and top-tier security for reliable 5G communication. Equipped with a CC EAL-compliant security chip and comprehensive protection. Conforming to the 3GPP R15 standard, the PNC660 delivers high reliability for critical missions. Its intuitive design, integrated with industry applications, enhances efficiency and usability.

## Secure Key

One-Click Safety  
Mode On

## Smart Key

Programmable  
Features

## Triple-Camera

13 MP (front),  
50 MP (rear),  
8 MP (rear)

## PTT Key

Prominent &  
Color-highlighted

## IP68 & 1.5m Drop Resistance

Durability

## Dual Type-C & DP Interface

Scalability

## eSIM & Dual Nano SIMs

Enhanced Connectivity

## Ergonomic design

Comfy to Operate

## Intuitive

## User Interface

UI widget

## MCS(3GPP R15)

Reliable Communication  
for Critical Operations

## 6.3-inch Screen

Operable with Gloves  
and Wet Hands

## Dual-Mic & Speaker

102dB@5cm & AI Noise Cancellation





Powerful Core, Boundless Communication

## MCX

### Mission-Critical Services

Supports QC165/66/67/69/70, EMBMS & MSP 40ms for enhanced reliability & ultra-low latency.



## Triple cameras

### Exceptional Image

Front 13MP and rear 50MP+8MP with 4K video encoding & decoding. Image stabilization algorithm & super night mode.



## 33W QC4.0

### Long Battery Life & Fast Charging

5000mAh battery with 33W QC4.0 fast-charging fully recharges in just 90-min\*. Up to 34 hours of standby under the 10-10-80 working cycle.

## Dual Type-C

### Enhanced Expandability

Dual Type-C ports with DP 1.4 support enable 4K@60Hz video output & accessory integration.





Secure and Reliable, Mission Accomplished

## Data

### Data Security

Multi-point tamper protection  
Dedicated security chip (Strongbox)  
Dual-domain isolation  
Application sandboxing  
Biometric ID: fingerprint and face.

## Communication

### Communication Security\*

End-to-end encryption  
VoLTE public network voice encryption  
Dual-encryption for public network & PoC calls.

\*is projected to be delivered by the end of June.

## Personnel

### Mission Safety


Man Down  
Lone Worker  
Covert Mode  
Confidential Mode.






Hear Clearly, Deliver Precisely

## Dual speakers

 Loud and Powerful


Dual 3W speakers reaching up to 102dB at 5cm.  
AI-powered audio algorithm & SK audio optimization.

## 16K

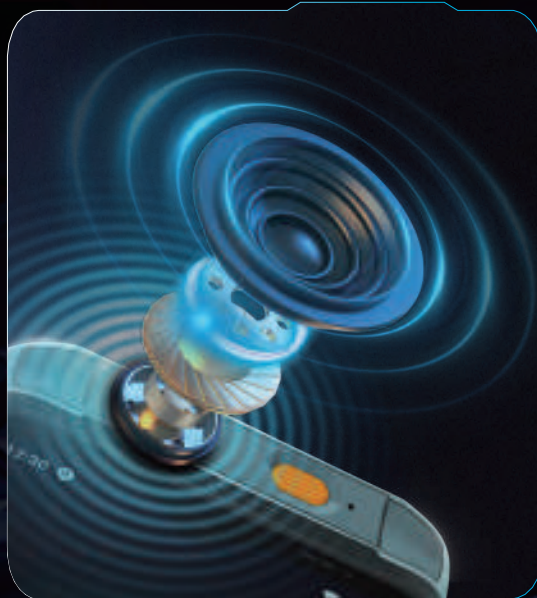
 Crystal Clear Audio

AI noise reduction technology.  
Wideband HD voice with a 16K sampling rate.

## Hi-Fi


 Authentic Voice Quality

Hi-Fi audio system.  
Surround stereo sound.




Smart Applications, Professional Platform

## Android 14

 Open Platform


supports various communication platforms.

## Intuitive

 User-Friendly Operation


Intuitive interface with customizable settings.  
Voice assistant & Intelligent translation features.

## Smart Management

 Intelligent

Mobile Device Management (MDM) compatible.

## Hybrid positioning

 Precise

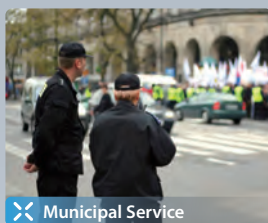
GPS dual-frequency, Hybrid positioning modes.



# Application Scenarios



Public Safety



Municipal Service



Railway



Airport



Energy

## Specifications

### Frequency Band

2G:	850/900/1800/1900
WCDMA:	B1/B2/B4/B5/B8
LTE-FDD:	B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/B20/B26/B28 (Full Band) /B66/B68/B71
LTE-TDD:	B34/B38/B39/B40/B41(2496~2690MHz) /B42/B43/B48
NR:	N1/N2/N3/N5/N7/N8/N12/N20/N28/N38/N40/N41/N48/N66/N71/N77/N78/N79
HPUE:	B41/B42/N41/N78/N79
4*4 MIMO:	N41/N77/N78/N79
NR 2T4R:	N41/N77/N78/N79

### Broadband Network

### Hardware

Operating System	Android 14
AI Performance	~12.15INT8 TOPS
Memory	RAM: 8GB, ROM:128GB/256GB
Dimensions (H x W x D)	166.6mm x 77.6mm x 14.3mm
Weight	280g
Screen Size	6.3inch FHD 1080x2340 Corning Gorilla Glass 5
Cameras	Front: 13MP, Rear: 50 MP and 8 MP
Flashlight	Available
Battery	5,000 mAh
Charging	USB Type-C Charge
Card Slot	Nano*2, Supports eSIM
Motor	Available
Speaker	3W Dual Speakers
WLAN	6E, Support 802.11 a/b/g/n/ac/ax, 2.4GHz+5GHz+6GHz
Sensor	Fingerprint Recognition, Gravity Accelerometer, Gyroscope, Magnetometer, Proximity Sensor, Ambient Light Sensor, Barometer
Positioning	GPS/BDS/GLONASS/GALILEO/A-GPS
NFC	Available
Video Resolution	Encode 4k 30fps, Decode 4k 60fps
Display Port	Supports DP1.4
Interfaces	Bottom Type-C 3.1 Gen2 & Side Type-C interface
Front Indicator Light	Supports (one light with red, green, and blue colors)

### Environment

Operating Temperature	-20°C to +60°C
Storage Temperature	-30°C to +70°C
Environmental Compliance	RoHS/REACH
ESD	IEC 61000-4-2, (ESD)±12 kV (Air); ±8 kV (Contact)
Ingress Protection	IP68
Drop-proof	1.5m

### Certification

Certification	CE/GMS/IP68/MIL-STD 810H /E112
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### Others

Tamper-proof Self-destruction	Supports (designed with anti-disassembly points, encryption chip stores key data; unauthorized disassembly clears security chip key data)
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## Accessories

- Standard
- Optional

#### Tempered Glass



#### Data Cable



#### 33W Adapter



#### Battery



#### Wired Earpiece



#### Wired Remote Speaker Microphone



#### Wireless Earpiece



#### Protective Cover with Strap



#### Protective Cover with Belt Clip



#### Backup Rear Cover



#### Charger



#### Wireless PTT



#### Wireless Remote Speaker Microphone



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