



# PNC660 450MHz MCX Smart Device

Mission First ✕ Safety Always





# Overview

The PNC660 450MHz features advanced hardware and top-tier security tech for reliable 5G communication, equipped with a CC EAL5+ compliant security chip and comprehensive protection mechanism. Compliant with the 3GPP R15 standard, the PNC660 450MHz delivers high reliability for critical missions. Its intuitive design, integrated with industry applications, enhances efficiency and usability.

## Secure Key

One-Click  
Safety Mode On

## 450MHz Antenna

Support B31/B72

## Smart Key

Programmable  
Features

## Ergonomic Design

Easy to Operate

## Side Type-C Port

Wired Earpiece &  
Remote Speaker Microphone

## Intuitive User Interface

UI Widgets

## Triple-Camera

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

## 6.3-inch FHD Screen

Operable with Gloves  
and Wet Hands

## PTT Key

Prominent &  
Easy to Use

## IP68 & 1.5m Drop Resistance

Durability

## Bottom Type-C Port

Fast Charging  
Screen Casting





Empowering Communication, Multimedia Capability

## MCX

 Mission-Critical Services

Supports QCI65/66/67/69/70, 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




## Fast Charging

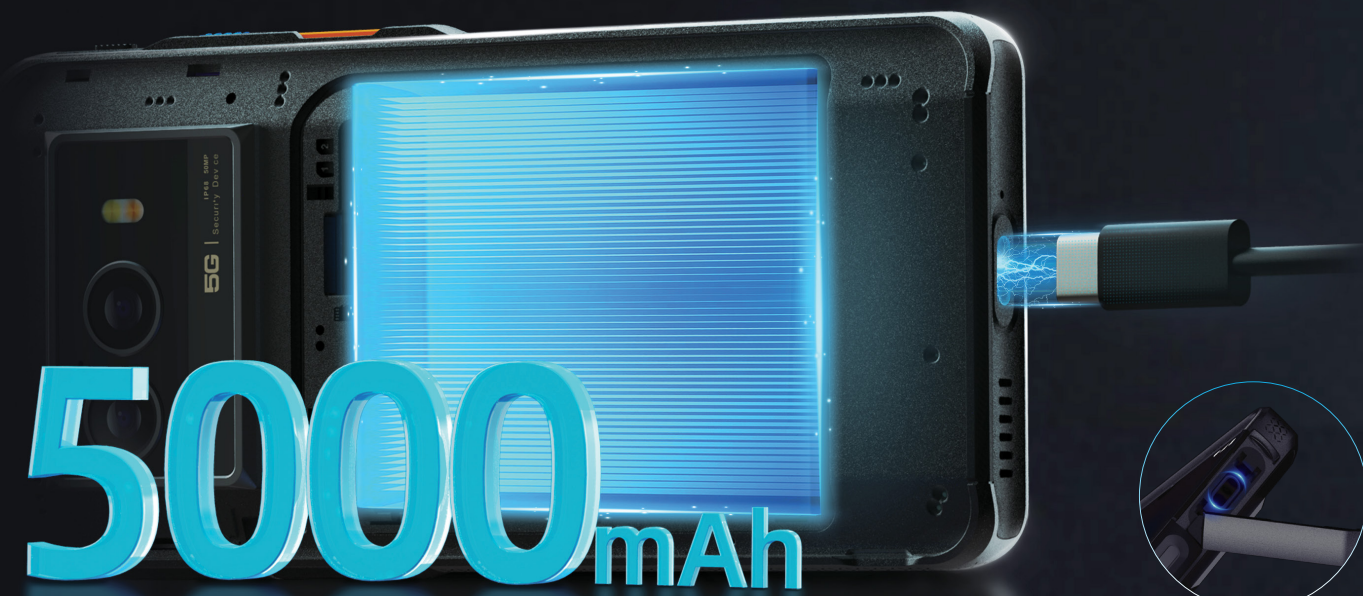
 Long Battery Life

5000mAh battery with 33W QC4.0 fast-charging tech fully  
Recharges within 90 minutes

## Dual Type-C

 Enhanced Expandability

Side type-C ensures stable accessory connection  
Bottom type-C enables 4K@60Hz screen casting





Secure and Reliable, Mission Accomplished

## Qualcomm® Chipset

↑ High-Performance

Enhanced 450 MHz Band Support  
Advanced 5G & Multi-Band Connectivity  
Optimized Power Efficiency

## Mission Safety

◆ Personnel

Man down  
Lone worker  
Covert mode

## Precise Positioning

📍 Accuracy

GPS dual-frequency, hybrid positioning modes

## Data Security

🛡️ Information


Dedicated security encryption chip  
Multi-point tamper-proof  
Application sandbox  
Biometric ID: fingerprint and facial






Hear Clearly, Deliver Precisely

## Ultra-speaker

 Loud and Powerful

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

## 16K

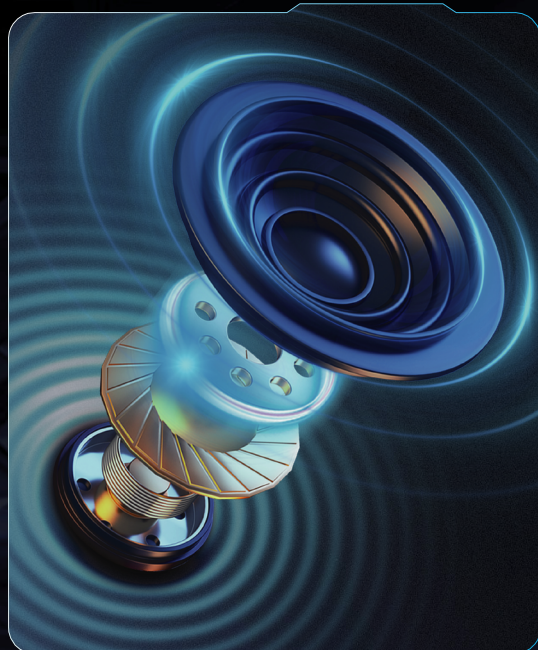
 Crystal Clear Audio

AI-based noise cancellation 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

Enhanced App compatibility

## Intuitive

 User-Friendly Operation

Intuitive interface with customization

## Smart Management

 Intelligent

Mobile device management (MDM) compatible



# Application Scenarios



✕ Electricity



✕ Energy



✕ Port



✕ Transportation



✕ Campus

## Specifications

### Frequency Band

|                   |           |  |
|-------------------|-----------|--|
| Broadband Network | 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  |
|                   | 450MHz:   | B31/B72  |

### Hardware

|                        |   |
|------------------------|---|
| Operating System       | Android 14+   |
| CPU                    | 6nm, Octa-core (1x2.7GHz, 3x2.4GHz, 4x1.9GHz)   |
| AI Performance         | ~13 TOPS  |
| Memory                 | RAM: 8GB, ROM: 128GB/256GB  |
| Dimensions (H x W x D) | 166.6mm x 77.6mm x 14.3mm (without external antenna)  |
| Weight                 | 290g  |
| Screen Size            | 6.3-inch FHD 1080x2340 Corning Gorilla Glass 5  |
| Cameras                | Front: 13 MP, Rear: 50 MP and 8 MP  |
| Flashlight             | Available   |
| Battery                | 5,000 mAh   |
| Charging               | USB Type-C Fast Charge (33W)  |
| Card Slot              | Nano-SIM Card * 2, Supports eSIM, TF Card * 1   |
| Motor                  | Available   |
| Speaker                | 3W  |
| WLAN                   | Supports 802.11 a/b/g/n/ac/ax, 2.4GHz+5GHz+6GHz   |
| Sensor                 | Fingerprint Recognition Reader, Gravity Accelerometer, Gyroscope, Magnetometer, Proximity Sensor, Ambient Light Sensor, Barometer |
| Positioning            | GPS Dual-Frequency/GALILEO/A-GPS  |
| NFC                    | Available   |
| Video Resolution       | Encode 4K 30fps, Decode 4K 60fps  |
| Interfaces             | Bottom USB Type-C 3.1 Gen2 & Side USB Type-C Port, Supports DP1.4   |
| Front Indicator Light  | Available (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 /common charging/EN18031 |
|---------------|---|

## Accessories

● Standard ● Optional

#### Battery



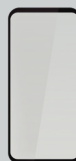
#### Data Cable



#### 33W Adapter



#### Tempered Glass



#### 450MHz Antenna



#### Wired Earpiece



#### Wired Remote Speaker Microphone



#### Wireless Earpiece



#### Charger



#### Wireless PTT



#### Backup Rear Cover



#### Wireless Remote Speaker Microphone



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