

# BN900

HYBRID 5G SMART HANDHELD

**POWERING CONNECTIONS  
PIONEERING SPEED**



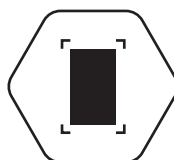
5G NR



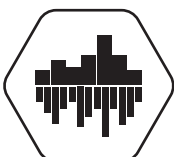
Android 14



64 MP Camera



Large Screen



Broadband &  
Narrowband



High Capacity  
Battery



IP68 &  
MIL-STD-810H



Classic Radio  
Design



Radio  
Accessories

# GENERAL SPECIFICATIONS

# BN900



## PHYSICAL CHARACTERISTICS

Dimension	150.6*68.3*26.5mm
Weight	402.5g

## ENVIRONMENTAL

Ingress Protection	IP68/IP69K
Drop Test	1.2m
Working Temperature	20°C to + 60°C(-4°F to 140°F)
Storage Temperature	-40°C to + 70°C(-40°F to 158°F)

## INTERACTION & DISPLAY

Display	Diagonal Dimension:5"
	Resolution:720*1520
	Touch Panel:Capacitive touch-screen with Gorilla Glass, supports wet finger, glove operation
Indication	Tri-color LED:Red, Blue, Green
Buttons	Top: Rotary Channel knob/Emergency Button/Channel Switch
	Left: Power Button/PTT Button/PTT 2 Button Right: Volume+/Volume- Button Front: Home/Menu/Back key

## HARDWARE

Processor	Octa-core, 2x Arm Cortex-A78 up to 2.6GHz; 6x Arm Cortex-A55 up to 2GHz
Memory	8GB RAM + 256GB ROM
Camera	Front:8MP; Rear:64MP, PDAF with Flashlight
SD Card	Up to 1TB
Battery	25.155 Wh(7.7 V), Li-Polymer, Removable
Sensor Platform	Gravity sensor, Ambient light sensor, Proximity sensor Gyroscope, Acceleration sensor, Geomagnetic sensor
Fingerprint	Support

## CONNECTIVITY

Cellular Network	GSM: 2/3/5/8
	WCDMA: 1/2/4/5/8
	LTE TDD: 34/38/39/40/41
	LTE FDD: 1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28A/28B/66
	5G: N1/N3/N5/N7/N8/N28/N38/N39/N41/N77/N78/N79
WiFi	IEEE 802.11 a/b/g/n/ac/ax, 2*2MIMO WIFI6, Support wifi hotspot
Bluetooth	5.1 BLE
Location	GPS, A-GPS, Glonass, Galileo, Beidou
NFC	Support

## NARROWBAND

Frequency Range	UHF(400 MHz~470 MHz)
Standard	DMR/Analog
Transmit Power	4 W(high)/ 1W(low)
Channel Spacing	Digital:12.5kHz, Analog:12.5kHz/20KHz/25KHz

## INTERFACE

Card Slot	Nano-SIM Card Slot *2
Audio interface	Radio Grade Audio Interface *1
USB Connector	Type-C 2.0 *1
Desktop Charger Interface	Desktop Charger Interface *1

## OPERATING SYSTEM

Operating System	Android 14
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## AUDIO

Mic	Dual MIC with Noise Cancellation
Speaker	3Watt Built-in Speaker

## STANDARD ACCESSORIES

Type-C USB Cable	*1
Travel Charger	*1
Battery	*1
Antenna	*1
Quick Start Guide	*1
Belt Clip	*1

## OPTIONAL ACCESSORIES

Power	Desktop Charger
	Multi Unit Charger
External Audio	Remote Speaker Microphone
	PTT Earphone
	Airtube PTT Earphone

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