

BN500

POC+DMR
Hybrid LTE Handheld



HYBRID POWERED FURTHER SECURED



Dual SIM



13MP
Rear Camera



IP68



2W
DMR Power



Dual PTT Button
POC & DMR



3W Speaker



4000mAh
Battery

GENERAL SPECIFICATIONS



PHYSICAL CHARACTERISTICS

Dimension	137.2mm*59.4mm*28.5mm
Weight	311.5g

ENVIRONMENTAL

Dust And Water Intrusion	IP68
Drop Test	1.5m
Working Temperature	-20°C to + 60°C (-2°F to 140°F)
Storage Temperature	-30°C to + 70°C (-40°F to 158°F)
Humidity	0%RH~95%RH

INTERACTION & DISPLAY

Display	Diagonal Dimension:3.5" WVGA
	Resolution:480*800
	Touch Panel:support multiple touch,glove touch, wet finger touch
Indicator	Three Color
Buttons	Front: Menu/Home/Back key, multi-function key P1/P2/P3 Top: Rotary knob/ Emergency Button Left: Power button/ DMR-PTT Button/ PTT button/ Volume (Up / Down)

HARDWARE

Processor	MTK6765, Octa-Core, 2.3GHz
Memory	4GB RAM +64GB ROM
Camera	Front: 5MP; Rear:13MP AF. Flashlight: one in rear (support torch mode)
SD Card	Max 256GB
Battery	4000mAh
Receiver	Single
Vibration	Support
Voice Call	Support

BN500

Sensor Platform	Standard:G-sensor/Light Sensor/ Proximity-sensor/Geomagnetic Optional:Gyroscope
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CONNECTIVITY

Cellular Network	GSM: B2/B3/B5/B8 TD-SCDMA:B34/B39 WCDMA: B1/B2/B4/B5/B8 CDMA2000 1X/EVDO BC0 FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/ B17/B18/B19/B20/B25/B26/B28a/B28b/B66 TDD-LTE: B34/B38/B39/B40/B41
VoLTE/ViLTE/VoWIFI	Support (Depends on MTK and the local operator)
DMR	Frequency Range:UHF 400~470MHz VHF 136~174Mhz
	TDMA:2 Time slots (repeater mode)
	Transmitting Power:2W
	Channel Spacing:12.5 kHz (digital)
	External DMR antenna:Yes
	Support Digital & Analog
WiFi	2.4G & 5G WIFI, Support wifi hotspot
Bluetooth	4.2 Support BLE
Location	GPS+BDS
NFC	YES

INTERFACE

Card Slot	Nano-SIM Card Slot * 2
Audio interface	M6 Radio Grade Audio Jack *1
USB	Type-C Standard : 5V 2A
Desktop Charger Interface	Desktop Charger Interface *1

OPERATING SYSTEM

Standard	Android 13
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AUDIO

Microphone	Dual MIC
Noise-cancellation	Dedicated Noise-cancellation chip
Speaker	φ40mm 3W Built-in Speaker

STANDARD ACCESSORIES

USB Cable	*1
5V 2A Travel Charger	*1
Battery	*1
Belt Clip	*1
Quick Start Guide	*1

OPTIONAL ACCESSORIES

Power	Desktop Charger(Optional)
	Multi Unit Charger(Customizable)
External Audio	Remote Speaker Microphone(Optional)
	PTT Earphone(Optional)
	Airtube PTT Earphone(Optional)

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