

B91

4G/5G Precise Rich-feature Rugged Smartphone

B91 is a rugged, high-performance communication device tailored for industrial and outdoor professionals. Unlike the B81, B91 offers a larger 5.65-inch touchscreen, providing enhanced usability for navigation and applications. It supports VHF/UHF dual-band communication, DMR + Analog radio, and 4G LTE connectivity, ensuring seamless communication across various industries.

Built for extreme conditions, B91 features an IP67-rated waterproof and dustproof housing, making it highly resistant to environmental challenges. It incorporates a powerful 4W two-way radio, GNSS RTK receiver for precise location tracking, and Push-to-Talk (PTT) functionality, enabling efficient coordination even in remote areas.

With dual SIM support, an 8000mAh long-lasting battery, and Android 13 compatibility, B91 allows users to install essential communication apps like Zello, Team Speak, and EchoLink. This device is ideal for professionals, companies or organizations who require robust communication, advanced navigation, and smartphone capabilities in one durable package.



Features



VHF/UHF



4W DMR



4G/5G



PoC



Android 13



Rugged Housing



Dual SIM



Big Battery

SPECIFICATIONS

FEATURES

Walkie talkie	Optional:4Watts UHF(DMR+Analog), VHF, price is different according to features
Selling points	LTE 4G smartphone, IP67 rugged, PTT:DMR+UHF/DMR+VHF(optional),POC
Display	5.7 inch,HD Screen
Touch panel	multi points capacitive screen, support rainwater operation,IPS.
Glove wearing touch	Support
Resolution	720X1440 pixels
Sim	Dual SIM,Dual standby
Network	GSM, WCDMA, EVDO,TD-SCDMA,TDD/FDD-LTE
Band	2G: GSM850/900/1800/1900; 3G:WCDMA850/900/1900/2100 LTE-FDD:B1/B2/B3/B4/B5/B7/B8/B17/B20 LTE-TDD:B38/B39/B40/B41 TD_SCDMA:A/F(B34/B39) EVDO: BC0"
OS	Android 13
CPU	MTK, MTK6765 octa core,2.3GHz
Memory	RAM:6GB, ROM:128GB
Micro SD card	Support up to 128GB
Battery	3.85V,6400mAh,Li-polymer,built-in type.
Colour	Black
Size	175MM*83MM*24MM
Weight	430g
SOS	Yes
PTT	UHF or VHF ,Push-to-Talk over two way radio (Optional,price will be different)
POC	Yes,Push-to-Talk over Cellular/Wifi network
programmable key	Support, Customer can customize the shortcut key for special function purpose by software
GNSS	GPS/BEIDOU/GLONASS/A-GPS
quick charge	support 2A quick charging
Clip	yes,
Micphone	yes,dual mic to anti noise
IP rating	IP67
Sensors	Gravity,Gyro,Distance sensor, Light sensor,3D accelerator
NFC	support
Explosion proof	Ex ib IIC T4 Gb (Optional,price will be different)
Desk drop in charger	Optional(price will be different)
Speaker	2 Watts loud speaker
Working temp.	from +60 to -20
Storage temp.	from +70 to -20

SUITABLE INDUSTRY

Industry	Optional: 4Watts UHF(DMR+Analog), VHF, price is different according to features
----------	--

OTHERS

Camera	Front camera: 13mega pixels rear camera: 24mega pixels
Picture size	up to 4096*3072 pixels
Flash LED/Torch	1 flash led, 200 lumina
Video record	1920*1080 recording, 30fps

DATA

WLAN	WIFI 802.11 b/g/n, 2.4G/5.8G
data port	USB 2.0
USB port	type C port
OTG	support
Bluetooth	BT4.0

STANDARD ACCESSORIES

Walkie talkie antenna x1(optional)
Data cable x1
Charger Adapter x1
Manual x1
screen protector x1