

B81

4G Multi-functional Rugged Smartphone

B81 is a rugged, multi-functional smartphone designed for industrial and outdoor use. It features VHF/UHF dual-band support, DMR + Analog radio capabilities, and 4G LTE connectivity, making it ideal for security, construction, logistics, and emergency response. Built to withstand tough environments, B81 has an IP67-rated waterproof and dustproof housing, ensuring durability in extreme conditions. It also includes a powerful 4W two-way radio, enhanced GPS antenna, and Push-to-Talk (PTT) functionality, allowing seamless communication even in low-signal areas. Additionally, with dual SIM support, a 4-inch touchscreen, and a long-lasting battery, B81 is a versatile tool for professionals who need reliable communication and smartphone capabilities in one rugged device.



Features



VHF/UHF



DMR+Analog



4G/5G



PoC



Android 12



Rugged Design



Dual SIM



Long-lasting Battery

SPECIFICATIONS

FEATURES

Selling points	LTE 4G smartphone, IP68 rugged, PTT:DMR+UHF,/VHF(optional),POC
Display	4.0 inch (640*1136) FHD
Touch panel	5 points capacitive screen, support rainwater operation,IPS.
Glove wearing touch	Support
Resolution	640*1136 pixels TFT LCM
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
OS	Android 13
CPU	MTK6765 octa core,2.3GHz
Memory	4GB RAM +64GB ROM or 6GB RAM +128GB ROM, (prices will be different)
Walkie talkie	4Watts DMR+Analog
Micro SD card	Support up to 128GB
Battery	2500mAh@7.4V(Standard) ,it is equal with 5000mAh@3.7V,removable battery.
Colour	Black
Size	148x64x30mm,
Weight	Handheld:340g, whole package:620g
Channel knob	Yes,easy to operate
PTT	Yes,Push-to-Talk over two way radio (optional)
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
Charging dock	yes
Quick charge	support 2A quick charge
Clip	yes,
Micphone	yes,dual mic to anti noise
IP rating	IP68
Sensors	Gravity,Gyro,Distance sensor,Light sensor, 3D accelerator,Pressure sensor.
FM	yes
NFC	yes, 13.56MHZ
Explosion proof	Ex ib IIC T4 Gb (Optional,prices will be different)
Speaker	2 Watts loud speaker
Working temp.	from +60 to -20

SUITABLE INDUSTRY

Industry	Police/Security/Railway/ Critical communication/ Rescue/Traffic management Property management, warehousing and logistics/ Oil and Gas industry/ Construction site/Port
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OTHERS

Camera	Front camera : 5mega pixels rear camera : 13mega 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 a/b/g/n, 2.4G/5.8G
data port	USB 2.0
USB port	20pin multiple port,2A charge, support OTG.
OTG	support
Bluetooth	BT4.0

STANDARD ACCESSORIES

	Batteryx1,2500mAh@7.4V(Standard), Optional:3500mAh@7.4V
	Walkie talkie antenna x1
	Data cable x1
	Charger Adapter x1
	Belt clip x1
	Strape x1
	Screen protector x1
	Manual x1
Optional	Charging cradle