

BOXCHIP

SMART MISSION CRITICAL
COMMUNICATION WORLD LEADER.



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Boxchip accessories



Boxchip official youtube



Boxchip official website



Boxchip user group



ABOUT US

Professional radio manufacturers are sometimes not the best at designing Network Radios.

but then not all makers of Network Radios are the best at producing professional two-way radios!

Introducing Boxchip.

We have more than 10 years professional experience in communications.

We know the cellphone network has weak signal areas; we know that two-way radio networks can't do the kind of image and video messaging that mobile phones can.

So Boxchip produces devices which seamlessly switch between the phone network and two-way radio network with the best coverage available, wherever you are in the world.

Boxchip

SMART MISSION CRITICAL COMMUNICATION

Stay connected everywhere, Full control

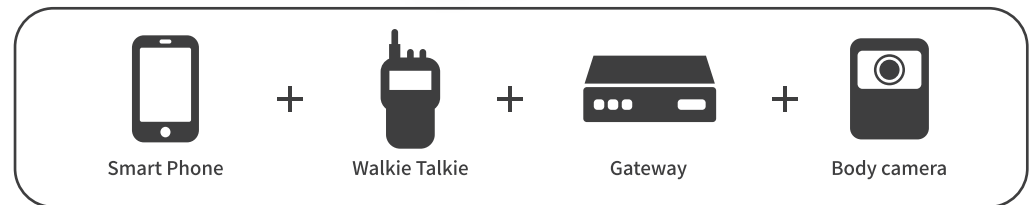
Available worldwide via our distribution network.



S900A Plus

LTE+DMR ALL IN ONE RADIO

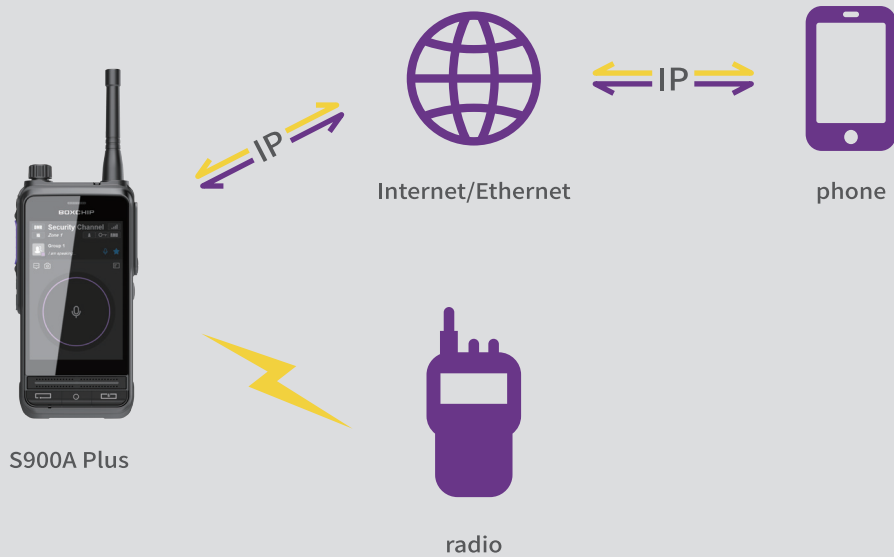
More intelligent than two-way radio
More reliable than PoC



S900A Plus

MULTIMODE RADIO GATEWAY SOLUTION

BOXCHIP-COMMUNICATION-SYSTEM



Boxchip S900A Plus communicate with PoC

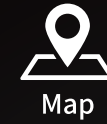


Boxchip S900A Plus work as DMR-To-PoC gateway between Phone and PoC



SMART VIDEO RADIO

Everything is under control, maps, locations, voice, text message, pictures, videos.



Map



SMS



Location



Pictures



Voice



Videos



Stay connected everywhere, Full control, Only "one button"

SMART MISSION CRITICAL COMMUNICATION

PoC/DMR dual standby, Seamlessly Switch

BOXCHIP S900A Plus



M6 PORT
External PTT mic speaker, PTT earphone, 720P camera

Camera Instant Key



SOS
Customize function

Buttons

MULTI-FUNCTION KNOB
Power & channel / group

ANDROID 9.0+OS

SMART BUTTONS
Switch between DMR and PoC

TEXTURED PTT BUTTON

VOLUME BUTTONS

RUGGED AND DURABLE
Ip65 waterproof,dustproof,
shock-resistant,explosion-poot,
Suitable for complex,
harsh environment,etc.

MULTIPLE CONNECTIVITY, CONNECTING
Wired connection: Type C pin port, Support fast charging
Wireless connections: WLAN 2.4G/5.8G, NFC, Bluetooth
Sensor: Distance sensor, ambient light sensor, 6 axis electronic
compass, gyroscope, acceleration sensor
Location system: GPS,AGPS, Beidou, Glonass

CE | FCC | RoHS | MIL-STD-810G | IP65 | MSDS | UN38.3



HD CAMERA
5MP Front-facing Camera
8MP Rear Camera

WORKING TEMPERATURE
-15°~60°

4.0 capacitive touch screen
Gorillaglass III
Stronger resistance to scratches,
impact and indentation

Smart awareness and smart touch
Wet touch and glove touch LCD
Readable in bright sunshine low light

Design

Intuitive, intelligent and concise
user experience

Design

Embedded Battery
No-slip Grip Texture

Battery

Standard 4500mAh
One-hand to replace battery



PoC Main Parameters for S900A+ and S900B+

Processor	MTK6739WW, 1.5GHz	
Android	Android 9.0+	
Memory	2GB /16GB	
LCD touch	Gorilla® Glass 3	
LCD touch feature	Web touch/ Glove touch/ Solar visibility	
LCD Size	4.0inch,800*480 Pixels	
Camera	8MP+ 5MP camera;Optional 13MP+8MP	
Flash light	Highlight flash LED	
SIM Card	Support Dual nano Sim	
GSM/GPRS/EDGE	850/900/1800/1900MHz	
GSM	B2 B3 B5 B8	
WCDMA	B1 B2 B5 B8	
TD-SCDMA	B34 B39	
FDD-LTE(US)	B1 B2 B4 B5 B7 B8 B12 B13 B17 B26 B28A B28B	
FDD-LTE(EU)	B1 B3 B5 B7 B8 B20 B26 B28A B28B	
TDD-LTE	B38 B39 B40 B41	
Bluetooth	Bluetooth 4.2	
NFC	Support or Optional	
Battery capacity	4500 mAh	
Wi-Fi (WLAN)	2.4G IEEE802.11n (1T1R);	5.8G IEEE802.11ac (1T1R)
GPS navigation	GPS/AGPS/GLONASS	
Sensor	Acceleration, Proximity Sensor, Light Sensor, Gyro Sensor, Compass Sensor	
External Port	Motorola M6	
Operating Temperature	-15°C ~ 60°C	
Storage Temperature	-40°C ~ 80°C	
Humidity	20% ~ 90%	
USB type	USB2.0, Type C USB Port	
External Accessories	Support Remote micro speaker, Earbud, Body camera	
Dimension	69mm*143mm*26mm	
Package Size	19.5cm*18.4cm*3.6cm	
Terminal Weight	375G	
With Standard Package Weight	800G	
Package	20pcs/Carton	
Standard Accessories	Type C USB cable, Charger, Back Clip, Antenna, Antenna Hat	
Certification	CE / FCC / MIL810G / MSDS / UN38.3	

Radio Parameters for S900A+ only

Frequency Band	UHF: 400-480MHz or VHF: 136-174MHz	
Channel	1000 or customize	
Channel Spacing	12.5KHz/25KHz	
Tx Power	1W/2W	
Rx sensitivity	Analog:-121dBm/12dB SINAD(Rated)	Digital:-117dBm/BER 1%
Intermodulation	≥65dB	
Blocking	≥84dB	
Spurious of Suppression	≥70dB	
Response	≥70dB	
Neighborhood selectivity	≥60dB	
Frequency stability	±0.5ppm	
Antenna Impedance	50Ω characteristic impedance	
Audio Output	1W(Rated)	
Audio Distortion	≤3%	
Radio standard	TDMA, Two time slot	

Radio features

Encryption	ARC4/AES128/AES256
DMR SOS	4 style SOS alarms
DMR programming	Support PC& terminal dual programming

Standard Accessories

1*USB C cable, 1*Charger,1* 4500mAh battery,1*Back clip, 1*Antenna (model dependent),1* Sim card cover tool,1*User manual

Optional Accessories

Remote speaker microphone(RSM)



Earbud base set with PTT key



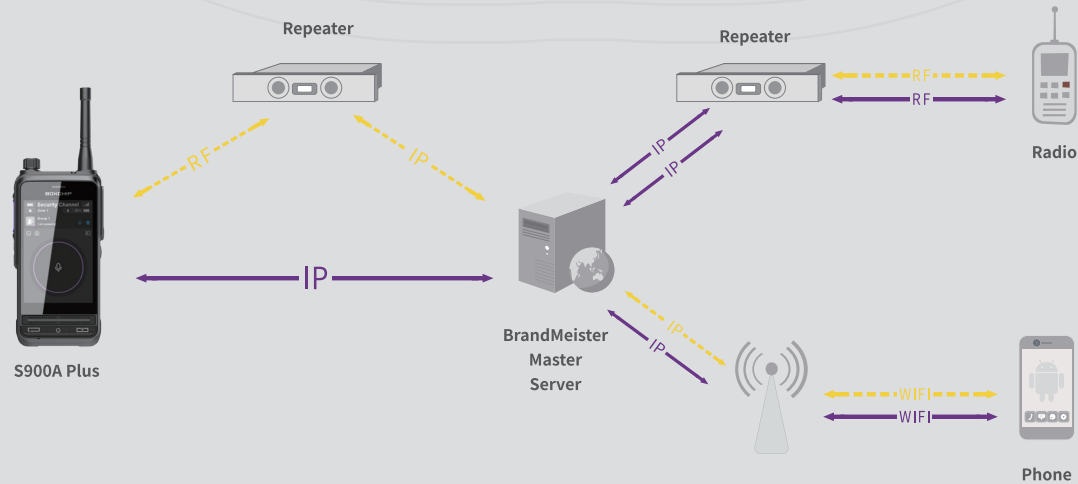
Body camera with PTT earphone



Dock charger

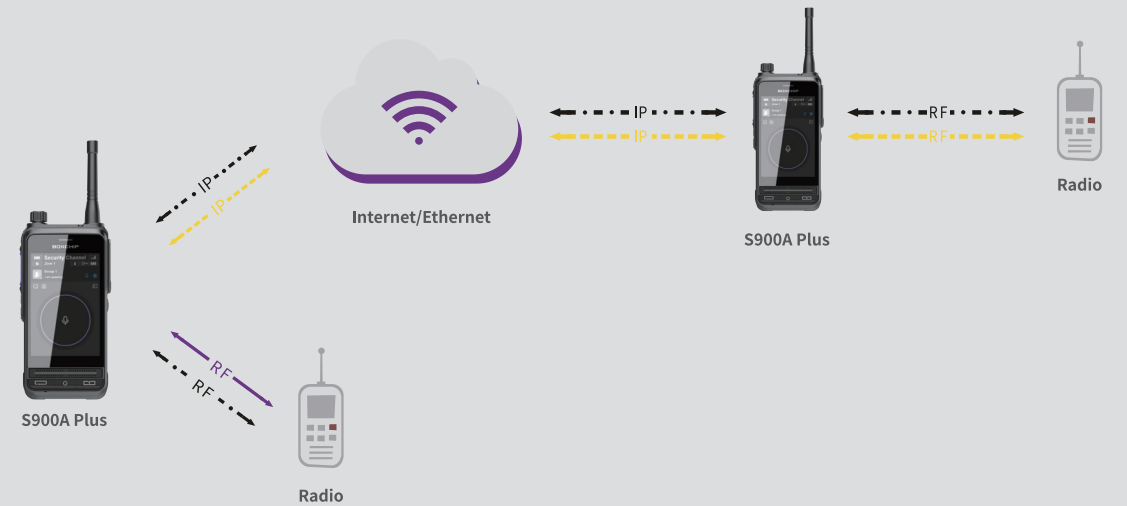


BOXCHIP-ACCESS-BrandMeister-NETWORK



- ←→ 1. S900A Plus access BrandMeister server via IP.
- ←- - - -> 2. S900A Plus access BrandMeister network via RF

BOXCHIP-COMMUNICATION-SYSTEM



- ←→ 1. S900A Plus communicate with Two-way radio
- ←- - - -> 2. S900A Plus communicate with remote Two-way Radio as DMR IP based Gateway
- ← ··· ··· -> 3. Two-way radio communicate with remote two-way radio when S900A Plus worked in DMR over IP mode

SENTINEL A1

More stronger hardened case, User friendly



Sentinel A1

GSM / GPRS / EDGE	850/900/1800/1900MHz
GSM	B2 B3 B5 B8
WCDMA	B1 B2 B5 B8
FDD-LTE(EU version)	B1 B3 B7 B20 B28A/B
FDD-LTE(US version)	B2 B4 B5 B7 B12 B13 B17 B28A/B
TDD-LTE(EU version)	B38 B39 B40 B41
TDD-LTE(US version)	B38
Bluetooth	Bluetooth4.2
Battery	2850mAh
Wi-Fi (WLAN)	802.11b/g/n 2.4G
GPS	GPS / GLONASS
Speaker	2W power
Size	134mm*65mm*23.5mm
Standard Accessories	1*USB C cable, 1*Charger,1* 2850mAh battery,1*Back clip, 1*User manual

Optional Accessories

Remote speaker microphone(RSM)



Earbud base set with PTT key



Body camera with PTT earphone



Dock charger



Boxchip DMR Single Frequency Repeater

USER FRIENDLY, FLEXIBLE, PROTABLE

Sections Restricted Access To System
IP Interconnection



APPLICATION SOLUTION

Application Connection Diagram Of IP Interconnection



APPLICATION CASES

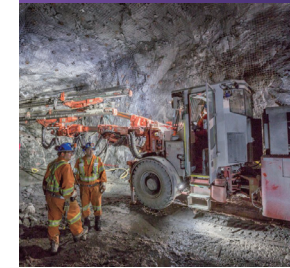
Belgian Railway



Chinese Railway



Canada Mine



Finland Transport



Mexico Police



UK Hospital



Mexico Municipal



Israel Municipal



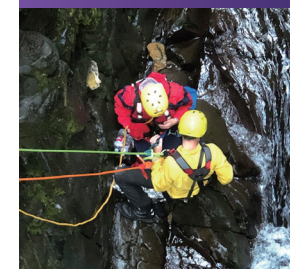
Malaysia Firefighting



UK School



Europ Rescue



Tanzania Public Safety

