



BOXCHIP

S700A

NEW MULTI-MODE INTELLIGENT TERMINAL

BOXCHIP S700 is an advanced professional handheld 4G LTE radio, the integration of safe and reliable DMR communication and new value-added services. All-round means of communication, real-time control for the industry customers to bring a strong business ability, stable and reliable real time communication response, and more excellent integration experience is the best communications partners for industry customers!



ANDUOIRADIO.CN

FOR MORE INFORMATION

ShenZhen BOXCHIP CO.,LTD
Office : +86-755-88848942
<http://www.walkietalkiephone.cn/>



ABOUT US

World-leading advanced multi-mode intelligent terminals and personalized solutions provider

Boxchip is a high-tech enterprise with 10 years of specializing in the development, manufacturing and sales of intelligent PoC terminals and communication equipment .

INNOVATION CHANGES THE WORLD

R&D TEAM

We have a high-quality independent innovation research and development team with more than 40 R&D engineers for personalized customization. Our intelligent PoC broadcasting is widely used in fire rescues, public security, disaster relief, field rescue, security, ports, mining and distributed in more than 60 countries and regions.

INNOVATION RESEARCH

We continue to pursue technological innovation, with science and technology to change the relationship between human and technology. To achieve more humane and more valuable, from the discovery of trends, proof of concept to R & D to achieve, to meet the professional personalized needs of industry's customers. °

CORE TECHNOLOGY

We have got plenteous core patented technologies, in the industry have a leading edge. A number of scientific research to achieve the leading domestic and international level.Wide and narrow band converged technology patent, Noise suppression patent, ptt platform patent and so on.

PERSONALIZED CUSTOMIZATION

To offer flexible, short-term, personalized customization communications products and solutions for the professional customers, through a strong front end design, innovation and development, manufacturing, sales integration and providing high-quality, diversified, cost-effective intelligent communication terminals.

RELIABLE PARTNER

Throughout the world, they have chosen BOXCHIP and established a trustworthy long-term partnership.
 ZELLO TASSTA GROUPTANK PROPTT2 PTTi SEECODE AT&T KTP HOTMOBILE etc .



M6 PORT

External PTT microphone · PTT earphone · 1080P camera

Camera Instant Key

SOS

Customize function



BUTTONS

MULTI-FUNCTION KNOB

Power & channel / group

ANDROID 6.0+OS

SMART BUTTONS

Turn over DMR and POC (without dmr or FM, then Function key)

TEXTURED PTT BUTTON

Big buttons, easy to identify Instant voice calls

VOLUME BUTTONS



HD CAMERA

5MP Front-facing Camera
8MP Rear Camera

WORKING TEMPERATURE

-15°~60°

4.0 CAPACITIVE TOUCH SCREEN

Gorilla glass III
Unique native anti-loss technology
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

RUGGED AND DURABLE

Ip67 waterproof, dustproof, shock-resistant, explosion-proof, Suitable for complex and harsh environment

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

DESIGN

Embedded Battery
No-slip Grip Texture

BATTERY

Standard 4200mAh
Single hand operation
switch battery



CE | FC |  |  | IOT

COMPARISON TABLE

MODEL	CPU	MEMORY	CAMERA	DMR	FM
S700a+	8	3/32GB	5M/8M	√	√
S700a	8	2/16GB	5M/8M	√	√
S700b	8	2/16GB	5M/8M	×	×
S700c	4	1/8GB	5M/8M	×	√

DETAILED DMR TECHNICAL PARAMETERS

Frequency Band	UHF1: 400-470MHz
	optional UHF2: 350-400MHz
	optional UHF3: 450-520MHz
	optional VHF: 136-174MHz
Channel	32 or customize
Channel Spacing	12.5KHz/25KHz
Working voltage	3.7V DC
Frequency stability	±1.5 ppm
Antenna impedance	50Ω
Sensitivity	Analog 0.3μV (12dB SINAD)
	0.22μV (typical value) (12dB SINAD)
	0.4μV (20dB SINAD)
	DMR 0.3μV /BER5%
Adjacent Channel Selectivity	60dB@12.5KHz
Inter modulation rejection	70dB@25KHz
Spurious response rejection	75dB@12.5/25KHz
Blocking	90dB
FM hum & noise	-40dB@12.5kHz · -45dB@25kHz
Distortion at rated audio	≤5%
Frequency response mask	+1 ~ -3 dB
Conducted spurious emissions	<-57 dBm
Transmit power	0.5W/2W(33dBm)
FM modulation	11K0F3E@12.5KHz ; 16K0F3E@25KHz
4FSK Digital modulation	12.5KHz only data : 7K60FXD
	12.5kHz data and voice : 7K60FXW
Conducted/radiated emissions	-36dBm<1GHz
	-30dBm>1GHz
Modulation limiting	±2.5KHz@12.5KHz
	±5.0KHz@25KHz
FM hum & noise	-40dB@12.5KHz
	-45dB@25KHz
Audio frequency response	+1 ~ -3dB
Distortion at rated audio	≤3%
Vocoder type	AMBE++

MAIN POC PARAMETERS

Processor	Octa core 1.5GHz
LCD touch	Web touch · glove touch
Android	Android6.0+
LCD Size	4.0inches
Camera	8MP+ 5MP Camera
Flash light	Highlight flash LED
Dual-SIM	Supported
GSM/GPRS/EDGE	850/900/1800/1900MHz
GSM	B2 B3 B5 B8
WCDMA	B1 B2 B5 B8
TD-SCDMA	B34 B39
FDD-LTE	B1 B2 B3 B4 B5 B7 B8 B17/B28 B20
TDD-LTE	B38 B39 B40 B41
VOLTE	Support
Bluetooth	Bluetooth 4.1
NFC	Support or Optional
Battery capacity	4200mAh
Wi-Fi (WLAN)	IEEE 802.11b/g/n
GPS navigation	GPS/AGPS/GLONASS
Output	2W
SPL	115dB

OPTIONAL ACCESSORIES

Dock charger	Shoulder microphone	External 1080P camera	Back clip
Docking station	External PTT earphone	Battery 4200mAh	

OPTIONAL HARDWARE CUSTOMIZATION

Hardware	Special industry custom noise reduction microphone	Hardware	NFC customization (Wireless pay)
Hardware	Memory 3GB+32GB	Camera	Built-in camera (Front 5M Rear 13M)





LEADING THE ERA "INTELLIGENT COMMUNICATION"

I, MULTI-MODE CONVERGED

4G full network and DMR dual mode dual standby concurrent work. Wide and narrow band Converged, multi-band flexible networking, dual-slot TDMA data transmission, enhanced communication quality, not only for professional customers to provide POC, emergency communications multiple means of communication protection to help quickly make decisions, but also has a strong business capacity and rich Of the integration experience

Support : LTE TDD / FDD multi-band frequency · WCDMA full-band
2G 3G 4G
Wifi BT FM NFC

Multi-mode customization : wide-band public network
Wide-band public network + narrow-band (DMR emergency)
Wide-band public network + narrow-band (DMR voice)

II, INTELLIGENT MULTIMEDIA

Android 6.0 OS · Supporting Admin · browsing, · situational awareness, image and video, DMR voice, data, local camera and SD card for imaging support, GPS and accelerometer for enhanced location services, voice, data, images and other integrated business applications.

Adaptation APP platform : According to the needs of different industry customers, adapt to a variety of android APP platform.

III, NOISE SUPPRESSION

Using advanced audio technology, powerful dual- microphone noise suppression · Eliminate noise, Echo and wind noise, in a noisy environment can still maintain a clear and smooth contact.

Customized special industry noise reduction microphone : According to the needs of special industry customers, custom audio patented noise reduction microphone

IV, HARSH ENVIRONMENT

Facing complex and harsh environments · mobile sensor to meet changing scenes and strict application requirements · Smart awareness · real-time forensics. First responders in a flexible and efficient way without compromising the security and robustness.

Emergency quick charging, to meet the emergency needs of quick charge, 30 minutes charge 80%, one hour 100% full power
Strong battery life, To meet the daily routine use of industry customers .

Standard memory : 2GB+16GB , Max support : 128GB

Customization memory : According to the needs of industry customers · increases to 3GB+32GB

