

Portable and Mobile POC Terminals

2G/3G/4G/WIFI/GPRS

LTE/WCDMA/GSM/UMTS



Model No.: 3288T (with Front and Rear Cameras)

Radio view:



Basic Features:

- I 2G/3G/4G/WIFI, to deliver unlimited talking distance.
- I 2.4 inch High-sensitivity Touch Screen, earlier to operate.
- I Carry with two cameras:
 1. Front camera: 2-megapixel, CMOS
 2. Rear camera: 8-megapixel, CMOS, with automatic focus function and flashlight.
- I Bluetooth.
- I Wifi.
- I NFC function (Optional):
 1. NFC Patrol: With a powerful platform, the patrol function can be used in various scenes, such as staff going out to work, work attendance, patrolling and other scenes.
 2. When the devices support NFC function, Android Beam will be enabled automatically. When two NFC enabled devices are getting close together, they can share some certain application information, such as Pictures and contacts information, etc.
- I GPS: GPS navigation, radio track playback, Visualization management platform Visualization dispatch platform.
- I Based on Android system, can compatible with most of the platforms. Currently, we

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have already cooperated with Virtual Trunk, RealPTT, POCSTAR, ZTE...

I PTT one touch communication, carry with a powerful and stable dispatching management platform with various functions.

I Private Call/Group Call

I Low TX power, very environmental

I IP54

I APN settings are flexible to accommodate every SIM card.

I Supportive Platforms: RealPTT, POCSTAR.....

Specification:

Types	Item		Specification	Note
(H/W Platform)	芯片 (CPU)	Model	Qualcomm MSM8909	
		Technology	A7	
		Frequency	1GHz	
网络 (Network)	System		<ul style="list-style-type: none"> ■GSM Band2/3/8 ■WCDMA Band1/5/8 ■CDMA 1X BC0 ■CDMA2000 Evdo Rev.A 800MHz ■TD-SCDMA Band34/39 ■TDD-LTE Band38/39/40/41 ■FDD-LTE Band1/3/5/8 	
Bearer	LTE	CAT 4	TDD CAT4, FDD CAT4	
Dimensions			109mm*57.2mm*31.6mm	
Weight	Whole machine weight (standard battery and antenna)		约260g	
Display	Size (inch)		2.4	
	Resolution		240*320	
	Touch Screen		Support touch screen	
TP	Capacitive touch screen		Multi-Touch	
Camera	Rear camera		8-megapixel, CMOS, with automatic focus function and flashlight.	
	Front camera		2-megapixel, CMOS	
Sensor	G-sensor		Yes	
外部接口 (Connectors)	Charger		Supports external charging pin	
	Type-C		YES	Charging and Data Transmit
	SIM Card		1 SIM	
	SD Card		YES	
Battery	Type		Li-polymer	
	Volume (mAh)		4400	Can choose for 5000mAh / 6000mAh.

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	Charger current		Supports up to 1.4A charging current	Standard power adapter 1A
	Charging Time		<= 6 Hours	
	Standby time(h)		Using different platforms and SIM cards, will be different standby times.	
存 储 (Memory)	ROM		8GB	
	RAM		8Gb LPDDR2	
声 音 (Sound)	MIC		1	对讲MIC
	Line-Control earphone		YES	
	Speaker		YES	8R/1W
	Speaker PA		YES	
Flashlight			YES	
Bluetooth	BT		YES	BT4.0
WIFI	WIFI	Standard	802.11b/g/n	1X1
		WIFI Direct	YES	
		Wi-fi Router Android Hotspot(Wi-Fi Tethering)	YES	
NFC			Can be choosed.	
GPS			YES	Hybrid location
Beidou			YES	
Antenna	Main antenna		YES	
	Auxiliary antenna		FPC	
	WIFI/BT		FPC	
	GPS/BD		Ceramic passive antenna	
Others	Belt Clip		YES	
	Operating Temperature Range		-20~55°C	
	Waterproof and Dustproof		IP54	
	Drop test		1.2m	

Model No.: 3288 (without Front and Rear Cameras)

Radio view:



Basic Features:

- I 2G/3G/4G/WIFI, to deliver unlimited talking distance.
- I 2.4 inch Color Screen, earlier to operate.
- I Bluetooth.
- I WIFI.
- I GPS: GPS navigation, GPS Patrol, Radio track playback, Visualization management platform Visualization dispatch platform.
- I Based on Android system, can compatible with most of the platforms. Currently, we have already cooperated with Virtual Trunk, RealPTT, POCSTAR, ZTE...
- I PTT one touch communication, carry with a powerful and stable dispatching management platform with various functions.
- I Private Call/Group Call
- I Low TX power, very environmental
- I IP54
- I APN settings are flexible to accommodate every SIM card.
- I Supportive Platforms: RealPTT, POCSTAR.....

Specification

Types	Item		Specification	Note
(H/W Platform)	芯片 (CPU)	Model	Qualcomm MSM8909	
		Technology	A7	
		Frequency	1GHz	
网络 (Network)	System		<ul style="list-style-type: none"> ■ GSM Band2/3/8 ■ WCDMA Band1/5/8 ■ CDMA 1X BC0 ■ CDMA2000 Evdo Rev.A 800MHz ■ TD-SCDMA Band34/39 ■ TDD-LTE Band38/39/40/41 ■ FDD-LTE Band1/3/5/8 	
Bearer	LTE	CAT 4	TDD CAT4, FDD CAT4	
Dimensions			109mm*57.2mm*31.6mm	
Weight	Whole machine weight (standard battery and antenna)		Around 245g	
Display	Size (inch)		2.4 inch	
	Resolution		240*320	
	Touch Screen		No, Color screen	
外部接口 (Connectors)	Charger		Supports external charging pin	
	Type-C		YES	充电, 数据传输
	SIM Card		1 SIM	
	SD Card		YES	
Battery	Type		Li-polymer	
	Volume (mAh)		4400	Can choose for 5000mAh / 6000mAh.
	Charger current		Supports up to 1.4A charging current	Standard power adapter 1A
	Charging Time		<= 6 Hours	
	Standby time(h)		Using different platforms and SIM cards, will be different standby times.	
存储 (Memory)	ROM		4GB	
	RAM		4Gb LPDDR2	
声音 (Sound)	MIC		1	对讲MIC
	Line-Control earphone		YES	
	Speaker		YES	8R/1W
	Speaker PA		YES	
Bluetooth	BT		YES	BT4.0
WIFI	WIFI	Standard	802.11b/g/n	1X1
		WIFI Direct	YES	
		Wi-fi Router Android Hotspot(Wi-Fi Tethering)	YES	

GPS		YES	Hybrid location
Beidou		YES	
Antenna	Main antenna	YES	
	Auxiliary antenna	FPC	
	WIFI/BT	FPC	
	GPS/BD	Ceramic passive antenna	
Others	Belt Clip	YES	
	Operating Temperature Range	-20~55℃	
	Waterproof and Dustproof	IP54	
	Drop test	1.2m	

Standard Accessories for 3288 and 3288T:

 <p>3.7V/ 4400mAh Battery</p>	 <p>4G Antenna</p>	 <p>Type-C Charging Cable</p>
 <p>Belt Clip+Screws</p>	 <p>Hand Strap</p>	

Optional Accessories:

5000mAh battery

6000mAh battery

Earphone

...

Model No.: LS-D828

Radio view:



Basic Features:

1. Unlimited talking distance, 2G/3G/4G compatible.
2. Small size, can easier to mount in limited space, such as private car, trucks, Taxi, Bus, Motorcycle, etc.
3. Based on Android system, can match with your Android application and platform. Currently, we have already cooperated with Virtual Trunk, RealPTT, POCSTAR, ZTE...
4. PTT one touch communication, carry with a powerful and stable dispatching management platform with various functions.
5. Private Call/Group Call.
6. GPS navigation, radio track playback, Visualization management platform Visualization dispatch platform
7. Low TX power, very environmental
8. 1.77 inch color screen.
9. Multiple encryptions to keep voice and data safety, support software and hardware assurance.
10. IP54
11. Support WIFI.
12. Bluetooth.
13. Support two of GPS, GLONASS, Beidou (Support A-GPS).
14. APN settings are flexible to accommodate every SIM card.

Standard Accessories:

 <p>Microphone*1pc</p>	 <p>Microphone Hanger</p>	 <p>In car lighter</p>
 <p>LTE Main Antenna</p>	 <p>GPS/BD antenna</p>	 <p>Mounting Bracket</p>

Specification

Types	Items	Specification	Notes
H/W Platform	IC	Qualcomm MSM8909	
	Technical framework	A7	
	Basic Frequency	1GHz	

Network	System	L811 (European/Asia version): ■GSM: Band2/3/5/8 ■WCDMA: Band1/2/5/8 ■TDD-LTE: Band38/40 ■FDD-LTE: Band1/2/3/5/7/8/20/28 L813 (Asia version) ■GSM Band2/3/8 ■CDMA 1X BC0 ■CDMA2000 Evdo Rev.A 800MHz ■TD-SCDMA Band34/39 ■WCDMA Band1/5/8 ■TDD-LTE Band38/39/40/41 ■FDD-LTE Band1/3/5/8 L817 (America version): ■GSM: 850MHz,1900MHz ■WCDMA: Band1/2/4/5/8 ■FDD-LTE: Band1/2/4/5/7/12/13/17/25/26	
Bearer	CAT 4	TDD CAT4, FDD CAT4	
Dimension		170mm*54mm*39mm	
Weight		200.4g	
LCD	Size (inch)	1.77	
	Resolution	128*160	
Connectors	Charger	vehicle 13.8V	
	USB	YES	Charging, Data transmission
	SIM Card	1 SIM card	
	Memory card	NO	
Memory	ROM	4GByte	
	RAM	512MByte	
Sound	MICROPHONE	YES	
	Line-Control earphone	NO	
	Speaker	YES	8Ω 3W
	Speaker PA	YES	
Connectivity	BT	YES	BT4.0
	Bluetooth power class	Class 2	
	Standard	802.11b/g/n	1X1

	WIFI Direct	YES	
	Wi-fi Router Android Hotspot(Wi-Fi Tethering)	YES	
	NFC	NO	
	GPS	YES	Both
	Beidou	YES	
Antenna	LTE Main antenna	YES	SMA jack
	Auxiliary antenna	FPC	
	WIFI/BT Antenna	FPC	
	GPS/BD antenna	YES	SMA jack
Operating temperature range		-20℃ ~ 60℃	

NOTE: LTE/GSM/WCDMA/CDMA frequency bands can be customizable.

Model No.: GP588

Radio view:



Basic Features:

1. Using 2G/3G/4G/WIFI network, to deliver unlimited talking distance.
2. Radio type LTE Push-To-Talk over cellular.
3. Based on Android system, can compatible with most of the platforms.
Currently, we have already cooperated with Virtual Trunk, RealPTT, POCSTAR, ZTE...
4. PTT one touch communication, carry with a powerful and stable dispatching management platform with various functions.
5. Private Call/Group Call
6. GPS navigation, radio track playback, Visualization management platform
Visualization dispatch platform
7. Low TX power, very environmental
8. 1.77 inch color screen.
9. Multiple encryptions to keep voice and data safety, support software and hardware assurance.
10. IP54
11. Support WIFI.
12. APN settings are flexible to accommodate every SIM card.
13. Check the specification for more information.
14. Bluetooth.
15. GPS, GLONASS, Beidou (Support A-GPS)
16. Tiny design.

Specification

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Items	Specification		Note
CPU	Modem	Qualcomm MSM8909	
	Technology Frame	A7	
	Main Frequency	1GHz	
Network	L813 Asia Version	■GSM Band2/3/8 ■CDMA 1X BC0 ■CDMA2000 Evdo Rev.A 800MHz ■TD-SCDMA Band34/39 ■WCDMA Band1/5/8 ■TDD-LTE Band38/39/40/41 ■FDD-LTE Band1/3/5/8	
	L811 EU Version	■GSM: Band2/3/5/8 ■WCDMA: Band1/2/5/8 ■TDD-LTE: Band38/40 ■FDD-LTE: Band1/2/3/5/7/8/20/28	
	L817 America Version	■GSM: 850MHz, 1900MHz ■WCDMA: Band1/2/4/5/8 ■FDD-LTE: Band1/2/4/5/7/12/13/17/25/26	
Bearer	CAT 4	TDD CAT4, FDD CAT4	
Dimensions		92mm*58.5mm*31.5mm	
Whole machine weight (standard battery and antenna)		Around 200g	
Main Screen	Size (inch)	1.77	
	Resolution	128*160	
Connectors	Charger	YES	
	Type-C	YES	Charging, Data transmitting
	SIM Card	Single card	
	Memory card	NO	
Battery	Type	Li-polymer	
	Volume (mAh)	3500	
	Charger current	1000mA	
	Chargeing Time	<= 6 Hours	
	Standby time(h)	Carry with different platform, will have different standby time.	

Memory	ROM	4GB	
	RAM	4Gb LPDDR3	DDR2 optional
Sound	MIC	1	Talking MIC
	Line-Control earphone	YES	
	Speaker	YES	8R/1W
	Speaker PA	YES	
Connectivity	BT	YES	BT4.0
	Bluetooth power class	Class 2	
	WIFI Standard	802.11b/g/n	1X1
	WIFI Direct	YES	
	WIFI Router Android Hotspot(Wi-Fi Tethering)	YES	
	NFC	NO	
	GPS	YES	Hybrid Positioning
	Beidou	YES	
Sensor	G-sensor	NO	
	L-sensor	NO	
	Gyroscope	NO	
Antenna	4G main antenna	Rodlike	
	Auxiliary antenna	FPC	
	WIFI/BT Antenna	FPC	
	GPS/BD Antenna	Ceramic passive antenna	
Others	Working Temperature	-20℃ ~ 60℃	
	Waterproof Level	IP54	
	Drop Test	1.2m	

Standard Accessories for GP588:

 <p>3.7V/ 3500mAh Battery</p>	 <p>4G Antenna</p>	 <p>Type-C Charging Cable</p>
 <p>Belt Clip+Screws</p>	 <p>Hand Strap</p>	

Model No.: H-28Y (CE,FCC Compliant)

Radio view:



Basic Features:

1. Using 2G/3G/4G/WIFI network, to deliver unlimited talking distance.
2. Radio type LTE Push-To-Talk over cellular.
3. Based on Android system, can compatible with most of the platforms.
4. PTT one touch communication, carry with a powerful and stable dispatching management platform with various functions. Currently, we have already cooperated with Virtual Trunk, RealPTT, POCSTAR, ZTE...
5. Private Call/Group Call
6. GPS navigation, radio track playback, Visualization management platform Visualization dispatch platform
7. Low TX power, very environmental
8. 1.77 inch color screen.
9. Multiple encryptions to keep voice and data safety, support software and hardware assurance.
10. IP54
11. Support WIFI.
12. This model can carry a Rear camera (Optional) , you also can choose without camera.
13. Check the specification for more information.
14. Bluetooth.
15. GPS, GLONASS, Beidou (Support A-GPS)
16. APN settings are flexible to accommodate every SIM card.
17. Support 8MP rear camera (Optional).
18. CE/FCC Compliant.
19. GPS and NFC Patrol (Optional)

With a powerful platform, the patrol function can be used in various scenes, such as staff going out
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to work, work attendance, patrolling and other scenes.

Certifications:

01/08/01

FCC - 001 TCB Form 733 (Rev. 01/01/00) Requested Submitter

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FCC - 001 TCB Form 733 (Rev. 01/01/00) Requested Addressee

TCB

DRAFT OF EQUIPMENT AUTHORIZATION

TCB

Certification
Issued Under the Authority of the
Federal Communications Commission

By:

Shanghai North America, Inc.
363 River Road
Ottawa, Ontario, K1V 1A6
Canada

Date of Draft: 06/12/01

Application Number: 00052019

LiSheng (Lisheng) Communications Co., Ltd.
8K, Chongqing St., Zone 6 Tech Area,
China

Attention: Shao He

NOT TRANSMITTABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE,
and is VALID ONLY for the equipment identified herein for use under the
Commission's Rules and Regulations listed below.

FCC IDENTIFIER: U3CJ15-0031

Name of Grantee: LiSheng (Lisheng) Communications
Co., Ltd.

Equipment Class: FCC Licensed Transmitter held to file
IP Radio Table

Grant Notes	FCC Rule Para	Frequency Range (MHz)	Output Power	Frequency Tolerance	Emission Designator
22A	22.4	824.0 - 848.0	1.213W	0.02 PM	2190G3W
22A	22.4	824.0 - 848.0	0.0001	0.02 PM	2190G3W
22A	22.4	826.4 - 846.8	0.540W	0.01 PM	4M159W
24E	180.2	1800.8	0.071	0.02 PM	21A022W
24E	180.2	1800.8	0.0002	0.02 PM	2190G3W
24E	180.2	1807.6	0.171H	0.01 PM	4M159W
27	171.2	1712.0	0.569	0.01 PM	4M179W
24E	180.0	1800.0	0.100H	0.01 PM	21A022W
24E	180.0	1800.0	0.100H	0.01 PM	11W0W7D
24E	180.0	1800.0	0.100H	0.01 PM	00W007D
24E	180.2	1800.3	0.117H	0.01 PM	10W0W7D
27	171.0	1714.0	0.569	0.01 PM	07W0W7D
27	171.0	1714.0	0.110H	0.01 PM	11W0W7D
27	171.1	1715.0	0.100H	0.01 PM	00W0W7D
22B	825.0 - 844.0	0.144H	0.01 PM	00W0W7D	
22B	825.0 - 844.0	0.125H	0.01 PM	00W0W7D	
22B	825.0 - 847.5	0.100H	0.01 PM	00W0W7D	
22B	826.0 - 846.5	0.100H	0.01 PM	4M159W	
27	201.0	2000.0	0.100H	0.01 PM	07W0W7D
27	201.0	2000.0	0.100H	0.01 PM	11W0W7D
27	704.0	711.0	0.170Z	0.02 PM	00W0W7D

Power authorized is 0.07W for Part 22 and Part 27 below 1 GHz, 0.07W for Part 24 and Part 27 above 1 GHz, and authorized for Part 95 operations. SAR compliance for body-worn operating configurations is limited to the specific body-worn holder/accessories tested for this filing. End-users must be informed of the body-worn accessory operating requirements for satisfying RF exposure compliance. The highest reported SAR values for head, body-worn accessories and accessories tested under exposure conditions are 2.40 W/kg, 0.75 W/kg and 0.40 W/kg, respectively. This device contains functions that are not operational in the U.S. Territories. This filing is only applicable for U.S. operations.

27	704.0	711.0	0.125Z	0.02 PM	00W0W7D
27	705.0	714.0	0.101	0.02 PM	20W0W7D
27	705.0	702.0	0.101H	0.01 PM	00W0W7D
27	705.0	702.0	0.100H	0.01 PM	00W0W7D
27	705.0	711.0	0.100H	0.01 PM	00W0W7D
24E	180.0	1800.0	0.124H	0.01 PM	10W0W7D
24E	180.0	1800.0	0.000H	0.01 PM	10W0W7D
24E	1801.0	1810.0	0.157	0.01 PM	20W0W7D
24E	1800.7	1814.0	0.120H	0.01 PM	10W0W7D
22B	821.0	847.5	0.100H	0.01 PM	13W0W7D
22B	820.0	844.0	0.107H	0.01 PM	13W0W7D
22B	824.0	846.5	0.119H	0.01 PM	10W0W7D
9E	800.0	810.0	0.200Z	0.01 PM	10W0W7D
9E	805.0	810.0	0.100H	0.01 PM	05W0W7D
9E	805.0	821.5	0.200H	0.01 PM	00W0W7D
9E	804.7	823.5	0.100H	0.01 PM	10W0W7D

http://www.fcc.gov/electronic/forms/733/01/0001.shtml

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http://www.fcc.gov/electronic/forms/733/01/0001.shtml

 KL-Certification GmbH German Certification Body			 KL-Certification GmbH German Certification Body		
Certificate Number: 17-039-03-0001 Certificate holder: Usheng (Shenzhen) Communications Co., Ltd. Certificate holder Address: P# Chongqing 301, Chongqing, china Country: China Product Model Name: H-DEY Product Description: IPW-M-01 TA-03 Manufacturer:			Annex		
Type Examination Certificate It is according with Annex II of Council Directive 2014/53/EU, Radio Equipment Directive (RED), and the mutual recognition of their conformity plus declaration that the submitted documentation for the apparatus identified above complies with the requirements of the directive in the scope stated below.			Product Characteristics		
Marking The apparatus shall be marked with the CE mark as required by the Council Directive 2014/53/EU.			Brand Name: Usheng Hardware Version: TA Software Version: 3403E_V01_V1.0 Operating Frequency: GSM900: 880.20 ~ 914.80 MHz DCS1800: 1710.20 ~ 1784.80 MHz GSM850: 824.20 ~ 848.80 MHz PCS1900: 1920.20 ~ 1980.80 MHz WCDMA-RS-T: 1920.40 ~ 1937.60 MHz WCDMA-RS-VH: 1920.40 ~ 2112.00 MHz WCDMA-BL-R: 1920.80 ~ 1930.00 MHz WCDMA-BL-V: 1924.00 ~ 1940.00 MHz LTE-BL-R: 1920 ~ 1980 MHz LTE-BL-T: 1710 ~ 1780 MHz LTE-BL-T: 2300 ~ 2370 MHz LTE-BL-R: 880 ~ 845 MHz LTE-BL-TD: 890 ~ 960 MHz LTE-BL-TD: 700 ~ 748 MHz LTE-BL-TD: 2570 ~ 2620 MHz LTE-BL-TD: 2300 ~ 2480 MHz LTE-BL-T: 834 ~ 849 MHz Bluetooth: 2400 ~ 2480 MHz WLAN 2.4 GHz: 2412 ~ 2472 MHz GSM receiver: 1558 ~ 1626 MHz		
Validity The conformity stated in this EU-Type Examination Certificate is provided until the assessed type of equipment or the standard(s) (hardware) undergoes changes or modifications but, not later than 10 years after the issue date of this certificate.			Output Power GSM900: 32.56 dBm conducted DCS1800: 30.25 dBm conducted GSM850: 32.56 dBm conducted PCS1900: 30.24 dBm conducted WCDMA-RS-T: 23.12 dBm conducted WCDMA-RS-VH: 23.96 dBm conducted WCDMA-BL-R: 23.15 dBm conducted WCDMA-BL-V: 23.13 dBm conducted LTE-BL-R: 23.51 dBm conducted LTE-BL-T: 23.46 dBm conducted LTE-BL-T: 23.46 dBm conducted LTE-BL-TD: 23.77 dBm conducted LTE-BL-TD: 23.50 dBm conducted LTE-BL-TD: 23.80 dBm conducted LTE-BL-TD: 23.35 dBm conducted LTE-BL-TD: 23.83 dBm conducted LTE-BL-T: 23.41 dBm conducted Bluetooth: 1.56 dBm ERP WLAN 2.4 GHz: 14.37 dBm EIRP		
Annex The certificate is only valid together with the annex.			EU-Type Examination Certificate		
Conformity Assessment					
Essential Requirement	Examined Documentation	Result			
Safety P.D., Article 3.3.1	Technical Documentation	conforms			
Health P.D., Article 3.3.2	Technical Documentation	conforms			
EMC P.D., Article 3.3.3	Technical Documentation	conforms			
Radio Spectrum RED, Article 3.2	Technical Documentation	conforms			
CE 2784 St. Impact: 00.09.2009 Place, issue date		 Author and Signature			

Model No.: GP-578

Radio view:



Basic Features:

1. Using 2G/3G/4G/WIFI network, to deliver unlimited talking distance.
2. Radio type LTE Push-To-Talk over cellular.
3. Based on Android system, can compatible with most of the PTT platforms. Currently, we have already cooperated with Virtual Trunk, RealPTT, POCSTAR, ZTE...
4. PTT one touch communication, carry with a powerful and stable dispatching management platform with various functions.
5. Private Call/Group Call
6. GPS navigation, radio track playback, Visualization management platform Visualization dispatch platform
7. Low TX power, very environmental
8. 1.77 inch color screen.
9. Multiple encryptions to keep voice and data safety, support software and hardware assurance.
10. IP54
11. Support WIFI.
12. This model can carry a Rear camera (Optional) , you also can choose without camera.
13. Check the specification for more information.
14. Bluetooth.
15. GPS, GLONASS, Beidou (Support A-GPS)
16. APN settings are flexible to accommodate every SIM card.
17. Support 8MP rear camera (Optional).
18. GPS and NFC Patrol (Optional)

With a powerful platform, the patrol function can be used in various scenes, such as staff going out to work, work attendance, patrolling and other scenes.

Specification for H-28Y and GP-578

Items		Details	Note
CPU	Modem	Qualcomm MSM8909	
	Technology	A7	
	Basic Frequency	1GHz	
Operation system		Android based OS (5.1.1)	
Frequency bands	L811 (European/Asia version)	■GSM: Band2/3/5/8 ■WCDMA: Band1/2/5/8 ■TDD-LTE: Band38/40 ■FDD-LTE: Band1/2/3/5/7/8/20/28	Frequency bands can be customized.
	L813 (Asia version)	■GSM Band2/3/8 ■CDMA 1X BC0 ■CDMA2000 Evdo Rev.A 800MHz ■TD-SCDMA Band34/39 ■WCDMA Band1/5/8 ■TDD-LTE Band38/39/40/41 ■FDD-LTE Band1/3/5/8	
	L817 (America version)	■GSM: 850MHz,1900MHz ■WCDMA: Band1/2/4/5/8 ■FDD-LTE: Band1/2/4/5/7/12/13/17/25/26	
LTE	CAT 4	TDD CAT4, FDD CAT4	
Wi-Fi		802.11b/g/n, 2.4GHz	
LED		Green, Red, Yellow	
Speaker		1W, 8Ω	
Mic		1 mic	
SIM		Single Micro SIM slot	
Connectivity		3.5mm Audio Jack, Antenna receptacle (SMA type), USB type C for data programming and Battery charging	
SD card slot		Micro SD	
Bluetooth		BT 4.0 LE and earlier, Class2 (For Bluetooth earphone)	
GNSS		GPS, GLONASS, Beidou (Support A-GPS)	
Screen	Size (inch)	1.77	

	Resolution	128*160	
	Dimensions (Without antenna)	110mm*57mm*31mm	
	Weight (Including battery and antenna)	Around 210g	
Camera (Optional)	Flashlight	YES	We also have a without camera version.
	Pixels	800W	
	Focus type	AF	
Memory	ROM	8GByte	With camera version
	RAM	1GByte	
Memory	ROM	4GByte	Without camera version
	RAM	512MByte	
Keypad	Normal	MENU key, Back key, Direction key, Confirm key, HOME key.	
	Numeric key	NO	It has a virtual keypad.
	Side key	PTT key, M1 , M2	
	Top key	Combination Knob: Long press to power on /off; Rotate by left and right to adjust the volume.	
Battery	Type	Li-polymer	
	Capacity (mAh)	4000	
	Charger current	1000mA	
	Charging Time	≤ 5 Hours	
Sound	Microphone	1	
	Line-Control earphone	YES	
	Speaker	YES	
	Speaker PA	YES	
Antenna	LTE Main antenna	Rodlike	
	Auxiliary antenna	FPC	
	WIFI/BT	FPC	
	GPS/BD	ceramic chip antenna	
Operating temperature		-20℃ to 60℃	

Standard Accessories for H-28Y and GP-578:

 <p>4000mAh Battery</p>	 <p>4G Antenna</p>	 <p>Type-C Charging Cable</p>
 <p>Belt Clip+Screws</p>	 <p>Hand Strap</p>	

Optional Accessores:

4400mAh / 5000mAh / 6000mAh Battery
 Charger Pod
 Earphone
 Etc.

Model No.: Z18

Radio view:



Basic Features:

1. Unlimited talking distance, 2G/3G/4G compatible.
2. Radio type LTE Push-To-Talk over cellular.
3. Based on Android system, can compatible with most of the platforms. Currently, we have already cooperated with Virtual Trunk, RealPTT, POCSTAR, ZTE...
4. PTT one touch communication, strong signal and long continuation talking.
5. Private Call/Group Call
6. GPS navigation, radio track playback, Visualization management platform Visualization dispatch platform
7. Low TX power, very environmental
8. 1.77 inch color screen.
9. Multiple encryptions to keep voice and data safety, support software and hardware assurance.
10. IP54
11. Support WIFI.
12. GPS, GLONASS, Beidou (Support A-GPS)
13. Check the specification for more information.
14. Bluetooth.
15. APN settings are flexible to accommodate every SIM card.

Standard Accessories:

 <p>4400mAh Battery</p>	 <p>4G Antenna</p>	 <p>Type-C Charging Cable</p>
 <p>Belt Clip+Screws</p>	 <p>Hand Strap</p>	

Optional Accessores:

5000mAh / 6000mAh battery
Charger Pod
Earphone
Etc.

Specification

Items		Details	Note
CPU	Modem	Qualcomm MSM8909	
	Technology	A7	
	Basic Frequency	1GHz	
Operation system		Android based OS (5.1.1)	
Frequency bands	L811 (European/Asia version)	<ul style="list-style-type: none"> ■GSM: Band2/3/5/8 ■WCDMA: Band1/2/5/8 ■TDD-LTE: Band38/40 ■FDD-LTE: Band1/2/3/5/7/8/20/28 	Frequency bands can be customized.
	L813 (Asia version)	<ul style="list-style-type: none"> ■GSM Band2/3/8 ■CDMA 1X BC0 ■CDMA2000 Evdo Rev.A 800MHz ■TD-SCDMA Band34/39 ■WCDMA Band1/5/8 ■TDD-LTE Band38/39/40/41 ■FDD-LTE Band1/3/5/8 	
	L817 (America version)	<ul style="list-style-type: none"> ■GSM: 850MHz,1900MHz ■WCDMA: Band1/2/4/5/8 ■FDD-LTE: Band1/2/4/5/7/12/13/17/25/26 	
LTE	CAT 4	TDD CAT4, FDD CAT4	
Wi-Fi		802.11b/g/n, 2.4GHz	
LED		Green, Red, Yellow	
Speaker		1W, 8Ω	
Mic		1 mic	
SIM		Single Micro SIM slot	
Connectivity		3.5mm Audio Jack, Antenna receptacle (SMA type), USB type C for data programming and Battery charging	
SD card slot		Micro SD	
Bluetooth		BT 4.0 LE and earlier, Class2 (For Bluetooth earphone)	
GNSS		GPS, GLONASS, Beidou (Support A-GPS)	
Screen	Size (inch)	1.77	

	Resolution	128*160	
	Dimensions (Without antenna)	120mm*55mm*39mm	
	Weight (Including battery and antenna)	Around 275g	
Memory	ROM	4GByte	
	RAM	512MByte	
Keypad	Normal	MENU key, Back key, Direction key, Confirm key, HOME key.	It has a virtual keypad.
	Numeric key	NO	
	Side key	PTT key, M1 , M2	
	Top key	Combination Knob: Long press to power on /off; Rotate by left and right to adjust the volume.	
Battery	Type	Li-polymer	
	Capacity (mAh)	4400	
	Charger current	1000mA	
	Charging Time	≤ 6 Hours	
Sound	Microphone	1	
	Line-Control earphone	YES	
	Speaker	YES	
	Speaker PA	YES	
Antenna	LTE Main antenna	Rodlike	
	Auxiliary antenna	FPC	
	WIFI/BT	FPC	
	GPS/BD	ceramic chip antenna	
Operating temperature		-20℃ to 60℃	

Model No.: R60S

Radio view:



Basic Features:

1. Unlimited talking distance, 2G/3G/4G compatible.
2. Radio type LTE Push-To-Talk over cellular.
3. Based on Android system, can compatible with most of the platforms. Currently, we have already cooperated with Virtual Trunk, RealPTT, POCSTAR, ZTE...
4. PTT one touch communication, strong signal and long continuation talking.
5. Private Call/Group Call
6. GPS navigation, radio track playback, Visualization management platform Visualization dispatch platform
7. Low TX power, very environmental
8. APN settings are flexible to accommodate every SIM card.
9. Multiple encryptions to keep voice and data safety, support software and hardware assurance.
10. IP54
11. GPS, GLONASS, Beidou (Support A-GPS)
12. Check the specification for more information.

Standard Accessories:

 <p>4400mAh Battery</p>	 <p>4G Antenna</p>	 <p>Type-C Charging Cable</p>
 <p>Belt Clip+Screws</p>	 <p>Hand Strap</p>	

Optional Accessories:

5000mAh / 6000mAh battery
Charger Pod
Earphone
Etc.

Specification for LS-R60S

ITEMS		Specification	Note
H/W Platform	Model	Qualcomm MSM8909	
	Technology	A7	
	Frequency	1GHz	
Network	System	<ul style="list-style-type: none"> ■GSM Band2/3/8 ■CDMA 1X BC0 ■CDMA2000 Evdo Rev.A 800MHz ■TD-SCDMA Band34/39 ■WCDMA Band1/5/8 ■TDD-LTE Band38/39/40/41 ■FDD-LTE Band1/3/5 	
Bearer	CAT 4	TDD CAT4	
Dimensions		114mm*55mm*35mm	
Keypad	Normal	N/A	
	back key	N/A	
	Numeric key	NO	
	Side key	PTT key, Side key1,2,3	
	Top key	1. Combination Knob: Long press to power on /off; Rotate by left and right to adjust the volume. 2. Group / Account key	
Connectors	Charger	NC	
	USB	NC	KENWOOD TYPE
	SIM Card	Single	
	Memory card	NO	
Battery	Type	Li-polymer	
	Volume (mAh)	4400mAh	
	Charger current	1000mA	
	Chargeing Time	<= 6 Hours	
Memory	ROM	4GB	
	RAM	512MByte	
Sound	MIC	1	
	Line-Control earphone	YES	
	Speaker	YES	
	Speaker PA	YES	

GPS	GPS	YES	
Antenna	Main antenna	YES	
	Auxiliary antenna	NO	
	GPS Antenna	Ceramic chip antenna	
Others	Belt Clip	Yes	
	Operating temperature	-10℃ ~ 60℃	

NOTE: LTE/GSM/WCDMA/CDMA frequency bands can be customizable.

System Management Platform

Unified Login interface

- 1.Hierarchical agent service like the Pyramid.
- 2.Unified group and account management
- 3.Convenient Query and Modify ability

Independent Management board

- 1.The independent group management mode.
- 2.The convenient and fast query management.
- 3.Easy to build group members
- 4.Fast group call information

PC Dispatching System

- 1.Accurate Locate Function
- 2.Route Playback, can be checked at any time.
- 3.Convenient immediate communication.
- 4.Voice record

Android Operation System:

Lisheng PoC terminals are based on Android OS, if you have your own platform and application, we can offer you the key codes to match with your current system.

Current Fit platform and application:

Virtual Trunk, RealPTT, ZTE, POCSTAR, Lisheng PTT, etc...

Lisheng PoC Boardband Trunking System Features:

Lisheng PoC system can support Voice and Data services, also support video calling services.

If you do not set up the PoC system, we can help you to start!

Contact us to know more about Lisheng PoC Boardband Trunking System in amanda@cnlisheng.com!