



Main Features:

- 1.Support Wi-Fi Hotspot
- 2.4G VoLTE voice,can realize voice call via traffic
- 3.Support FM radio,SMS,MP3
- 4.SIM Card support,lower call rate
- 5.SD Card support

Technical Parameter

Product Name	4G Fixed Wireless Phone
Model	ETS6688
Chipset	Spreadtrum SC9820E,Cortex A53 Dual-core, Clock: up to 1.3GHz Support DVFS
SIM Card	Support 3V & 1.8 V SIM card,Single/dual SIM (optional)
Memory	MCP(ROM 4G,RAM 512MB)
SD Card	support
WIFI	802.11b/g/n,support wifi hotspot(2.4G)
System	Android 4.4
Working frequency	GSM/GPRS: 850/900/1800/1900Mhz WCDMA:B1/B2/B3/B5/B8/B10 TD-SCDMA:B34/B39 FDD-LTE:B1/B2/B3/B4/B5/B7/B8/B20/B28 TDD-LTE: B38/B39/B40/B41

Data rate	FDD-LTE: 150 Mbps DL / 50 Mbps UL TD-LTE: 130 Mbps DL / 35 Mbps UL HSPA+: 21 Mbps DL / 5.76 Mbps UL WCDMA PS: 42.2Mbps DL / 11.5Mbps UL TD-SCDMA: 2.8Mbps DL / 2.2 Mbps UL GSM CS:9.6Kbps DL/9.6Kbps UL GPRS class 12: 85.6kbps DL / 85.6kbps UL
Speech coding	HR/FR/EFR/AMR Analog audio CSFB and VoLTE(optional)
LCD Display	128*64 Pixels
Main Function	WIFI Hotspot,4G VoLTE Voice,MP3,FM Radio SMS,Make/receive call
	Hands free,speed dial,call forwarding,weather forecast etc
Antenna interface	Integrated/TNC detachable antenna (optional)
Max.emission power	FDD/TDD:Power Class 3(23±2.7dBm) WCDMA:Power Class 3 (+24dBm +1/-3dBm) GSM/GPRS 850MHz/900MHz:Power Class 5 (+33dBm ±2dBm) GSM/GPRS 1800MHz/1900MHz:Power Class 0 (+30dBm ±2dBm)
Reception sensitivity	FDD/TDD LTE:≤-97.3 dBm(QPSK PREFSENS,throughput≥95%)(An antenna has 10M broadband) WCDMA850/WCDMA900/WCDMA1900/WCDMA2100: ≤-108dBm GSM850/EGSM900/DCS1800/PCS1900 : ≤-108dBm
Rx Freq. Range	925.2~959.8MHz 1805.2~1879.8MHz 2010-2025Mhz 1880-1920Mhz 2555-2655Mhz 2300-2400Mhz
GPRS Type	Class 12
3GPP protocol	R7.R8
SIM Card reader	support
LTE FDD rf technical indicators	3GPP R9 CAT4 FDD,TDD/FDD receiving sensitivity more than 1 times higher than the standard of 3GPP.

Power Class	4 1 3
Duplex frequency offset	45 MHz 95 MHz
Duplex offset (time RX-TX)	Duplex offset (time RX-TX)
Channel spacing	200 KHz 200 KHz 100Khz
Modulation type	0.3 GMSK 0.3 GMSK QPSK
Frequency error	< $\pm 50\text{Hz}$ (0.1ppm) < $\pm 90\text{Hz}$ (0.1ppm)
Phase error	Peak: < 13 degrees Peak: < 13 degrees
	RMS: <3 degrees RMS: <3 degrees
Receiver BER at -102 dBm	FER <0.12% Class 1b RBER <0.41% Class 2b RBER <2.4% FER <0.12% Class 1b RBER <0.41% Class 2b RBER <2.4%
TD-SCDMA BER At -108dBm	BER <0.1%
TDD -LTE BLER At -95.3dBm (10M)	ACK>=95%
Standby	Standby:120hrs talking time<5hrs
Dimension	200*160*57mm
Power supply	DC 5V/1A
Battery	3.7V/1000mAh
Accessory	Wire coil,handset,power adapter,back-up battery,user manual
Common function	
SIM Toolkit(STK)	support
Call record	Maximum 200 Record
SMS storage	300 SMS + SMS in SIM
Alarm clock	support
Language	English,Spanish,French,Russian,Arabic,Portuguese etc

Backlight brightness adjustment	support
Power indicator	support
Handle mode	support
Hands free mode	support
Volume adjustment	support
Call time display	support
Missed call/received call/Called	support
DTMF dial	support
Speed dial	support
Upgrade	Support (through USB port)
Network Function	
Network selection	support, receive/auto
Network lock	support
Call forwarding	support
Call waiting	support
Display	
Number of characters per line and number of lines:	10*4(row:4,column:10+)
Key input display	support
Boot screen/Logo display	support
Time display	support
Signal strength display	support
New SMS tips	support
No service display	support
Power status display	support
Error warning prompt	support
Dial tone and Ringtone	
Ringtone	48k 16 bit mp3 tone
Busy tone	support
Dial tone	support
Incoming call ringtone	Support, 12 tones
Ringtone adjustment	support
Text message receive ringtone	support
Keypad tone	support
Keypad tone adjustment	support

Antenna	
Antenna type	4G external(TNC)
GSM band	RX: 925MHz to 960MHz
	TX: 880MHz to 915MHz
DCS band	RX: 1805MHz to 1880MHz
	TX: 1710MHz to 1785MHz
TD-SCDMA	TX/RX 2010-2025MHz; 1880-1920MHz
TDD-LTE	TX/RX 2570-2620MHz , 1880-1920MHz , 2300-2400Mhz , 2555-2655MHz
Gain	2dBi
Input impedance	50Ω
Power Adapter	
Input Voltage	AC 100V-240V
Line Frequency	50~60Hz
Output Voltage	DC 5V
Input Current	1A
Average Standby Current	10mA
Environment parameter	
working temperature	-20 ℃ ~+70 ℃ ,
Storage temperature	-25 ℃ ~75 ℃
Working humidity	10%~95%(no frost)
Storage humidity	5%~95%
Environment Noise	≤60dB (A)

Packing List

Name	Quantity (Piece)
Fixed Wireless Phone (4G) 6688	1
Handset	1
Handle line	1
User Manual	1
Li-ion Battery (3.7v 1000mAH)	1
Ac adapter	1
TNC antenna (Optional)	1