

# TE590 PLUS

Mission-Critical LTE Handheld



## Smart Design Radio Mind

### Powerful Core

- Dual mic differential noise cancellation
- Radio grade speaker
- Fast charge technology

### Harshest Environments

- Reinforced protective structure
- Waterproof and dust resistant
- MIL-STD-810G rugged standards

### Accessories Suite

- Single and multi-unit chargers
- Diverse audio and video accessories

Dedicated BroadNet software designed for this device



reddot design award

[www.broadnet.systems](http://www.broadnet.systems)

# TE590 PLUS | SPECIFICATIONS



CORE PLATFORM/HARDWARE	
<b>Processor</b>	MTK6762V/CB, Octa Core, 2.0 GHz
<b>Memory</b>	3GB RAM
	32GB internal storage
	Storage is expanadable with external 128GB microSD card
<b>Display</b>	3.5" 800x480 capacitive touch-screen with Gorilla Glass
<b>Camera</b>	Rear 13MP PDAF camera with flash
	Front 2MP FF camera without flash
<b>Sensor Platform</b>	Ambient light sensor
	Proximity sensor
	Geomagnetic sensor
	Acceleration
	Barometer
	E-Compass
	Gyroscope
<b>Ports</b>	USB-C
	M6 multimedia interface
<b>Mission Critical Buttons</b>	Dedicated PTT button
	Dedicated emergency button
	Talkgroup switch knob and power button
	Programmable button
	Volume up/down buttons
<b>Battery</b>	4000mAh Li-Ion, removable
	Quick charge via USB-C
	Standard charge via desktop charger

PHYSICAL	
<b>Dimensions (H x W x D) With Battery</b>	152mm x 66mm x 28mm
<b>Weight With Battery</b>	260g
SOFTWARE	
<b>Operating System</b>	Android 10
CONNECTIVITY	
<b>Band</b>	LTE: 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 20, 25, 26, 28A, 28B, 34, 38, 39, 40, 41
	UMTS: 1, 2, 5, 8, 34, 39
	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
<b>Bluetooth</b>	Bluetooth 5.0 Low Energy
<b>WiFi</b>	IEEE 802.11 a/b/g/n/ac. 2.4/5 GHz
<b>Location. NFC</b>	GPS, AGPS, GLONASS, BEIDOU, NFC
AUDIO	
<b>Input</b>	Two microphone solution with noise cancellation
<b>Output</b>	2 watt radio grade speaker
RUGGEDNESS	
<b>Operating Temperature</b>	-25 to +60°C (Battery charges between 0 - +45°C) Low temperature operational per MIL STD 810G 502.5-2008, Procedure II, High temperature operational per MIL STD 810G 501.5-2008, Procedure I
<b>Storage Temperature</b>	-40°C to +80°C Low temperature storage per MIL STD 810G 502.5-2008, Procedure I, High temperature stroage per MIL STD 810G 501.5-2008, Procedure II
<b>Thermal Shock</b>	MIL STD 810G 503.5-2008, Procedure I-C (-40°C to +60°C)
<b>Drop</b>	MIL STD 810G 516.7-2008

<b>Salt Spray</b>	MIL STD 810G 5509.5-2008
<b>Random Vibration</b>	MIL STD 810G-2008, 514.6C-V
<b>Shock (Crash Hazard)</b>	MIL STD 810G 516.6-2008
<b>Damp Heat</b>	MIL STD 810G 507.5-2008, Proccedure II
<b>ESD Test-Gating</b>	IEC 61000-4-2
<b>Steel Ball Impact</b>	IEC 62262:2002
ACCESSORIES	
<b>External Audio</b>	Remote speaker microphone
	Common earpiece
	Airtube earphone
<b>Power</b>	Multi unit charger



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