



Telo Systems
Bridging Communication Gap

SMART DESIGN
RADIO MIND
TE590 PLUS

Mission-Critical LTE Handheld



reddot design award



POWERFUL CORE

- ◇ Dual Mic Differential Noise Cancellation
- ◇ Radio Grade Speaker
- ◇ Fast Charge Technology
- ◇ Unique User Interface combined with Android 10

**HARSHEST ENVIRON-
MENTS**

- ◇ Reinforced protective structure
- ◇ Water proof & Dust resistant
- ◇ MIL-STD-810G Rugged Standards

ACCESSORIES SUITE

- ◇ Single and Multi-Unit Chargers
- ◇ Diverse Audio & Video Accessories

KEY FEATURES ▲

www.telosystems.com

SPECIFICATIONS ▾



CORE PLATFORM/ HARDWARE

Processor	MTK6762V/CB, Octa Core, 2.0GHz
Memory	3GB RAM 32GB Internal Storage Storage is expandable with external 128 GB microSD™ card
Display	3.5" 800 x 480 Capacitive touch-screen with Gorilla Glass
Camera	Rear 13MP PDAF Camera with Flash Front 2MP FF Camera without Flash
Sensor Platform	Ambient Light Sensor Proximity Sensor Geomagnetic Sensor Acceleration Barometer E-Compass Gyroscope
Ports	USB-C M6 multimedia interface
Mission Critical Buttons	Dedicated PTT Button Dedicated Emergency Button Talkgroup Switch Knob & Power Button Programmable Button Volume (Up / Down) Buttons
Battery	4000mAh Li-Ion, Removable Quick Charge via USB-C Standard Charge via Desktop Charger

CONNECTIVITY

Band	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, 1800MHz, 1900 MHz
Bluetooth	Bluetooth 5.0 Low Energy
WIFI	IEEE 802.11 a/b/g/n/ac, 2.4/5GHz
Location, NFC	GPS, AGPS, GLONASS, BEIDOU, NFC

AUDIO

Input	Two microphone solution with noise cancellation
Output	2watt radio grade speaker

PHYSICAL

Dimensions (H x W x D) With Battery	152 mm x 66 mm x 28 mm 5.3 in x 2.6 in x 1.1 in
Weight With Battery	260 g

SOFTWARE

Operating System	Android 10
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RUGGEDNESS

Operating Temperature	-25°C to +60°C (Battery charges between 0 - +45°C) Low Temperature Operational per MIL STD 810G, Method 502.5, High Temperature Operational per MIL STD 810G, Method 501.5
Storage Temperature	-40°C to +80°C Low Temperature Storage per MIL STD 810G, Method 502.5, High Temperature Storage per MIL STD 810G, Method 501.5
Temperature Shock	MIL STD 810G, Method 503.5, (-40°C to +60°C)
Mechanical Shock	MIL STD 810G, Method 516.6,
Drop	MIL-STD-810G 4ft on smooth concrete at 25°C
Salt Fog	MIL STD 810G, Method 509.5
Random Vibration	MIL STD 810G, Method 514.6, Random, Figure 514.6C-V
Shock (Crash Hazard)	MIL STD 810G, Method 516.6
Humidity	MIL STD 810D Procedure I, Table 507.2-I MIL STD 810G, Method 507.5
Dust Resistance & Water Immersion	IEC 60529 IP68, with installed battery
ESD	IEC 61000-4-2, Level 4. (+/-12kV air, +/-8kV contact)
Ball Impact	Chrome steel ball (130g, 0.95" diameter), 50 cm on the display

ACCESSORIES

External Audio	Remote Speaker Microphone Common Earpiece Airtube Earphone
Power	Multi Unit Charger

Reliable and Flexible

Add: 6/F, No.42 Liuxian 1st Road, Bao'an District, Shenzhen, China

Tel: +86 755 86950766

Fax: +86 755 86950708

Web: www.telosystems.com

Email: sales@telosystems.com

TE590PLUS ▶