



**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

## HARSHEST ENVIRON- MENTS

- ◇ Reinforced protective structure
- ◇ IP68 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](http://www.telosystems.com)

# SPECIFICATIONS ▾



## CORE PLATFORM/ HARDWARE

Processor	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
Ports	E-Compass
	Gyroscope
	USB-C
Mission Critical Buttons	M6 multimedia interface
	Dedicated PTT Button
	Dedicated Emergency Button
	Talkgroup Switch Knob & Power Button
Battery	Programmable Button
	Volume (Up / Down) Buttons
	4000mAh Li-Ion, Removable
	Quick Charge via USB-C
	Standard Charge via Desktop Charger

## 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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## 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

## RUGGEDNESS

Operating Temperature	-25°C 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
Storage Temperature	-40°C to +80°C
	Low Temperature Storage per MIL STD 810G 502.5-2008, Procedure I High Temperature Storage per MIL STD 810G 501.5-2008, Procedure II
Thermal Shock	MIL STD 810G 503.5-2008, Procedure I-C (-40°C to +60°C)
Drop	MIL STD 810G 516.7-2008
Salt Spray	MIL STD 810G 509.5-2008
Random Vibration	MIL STD 810G-2008, 514.6C-V
Shock (Crash Hazard)	MIL STD 810G 516.6-2008
Damp Heat	MIL STD 810G 507.5-2008, Procedure II
ESD Test-Gating	IEC 61000-4-2
Steel Ball Impact	IEC 62262:2002

## ACCESSORIES

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

## Reliable and Flexible

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