

Specifications

TSC5



Hardware

Size	287.1mm x 175.6mm x 43.9mm (11.3" x 6.9" x 1.7")
Weight	0.934kg (2.06lb)
Memory	4 GB LPDDR4X RAM
Storage	64GB Flash eMMC
Processor	Qualcomm SDA660
Operating system	Android 10

Power

Battery	Internal Li-Ion 4530mAh/7.2V nominal capacity
Battery Life	RTS usage 16 hours or GNSS RTK usage 18 hours [1]
Charging Time	Full charge 3.5 hours, 0-50% charge in 1.5 hours [1]
AC/DC Power	5 V/9 V 3A charging, USB-PD compliant with Type C connector

Environmental

Temperature – Operating	-30 °C to 60 °C (-22 °F to 140 °F) [2]
Temperature – Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Humidity	90% RH temp cycle +30 °C / +60 °C (+86 °F / +140 °F)
Water and Dust	IP65, IEC 60529
Drops	MIL STD 810H Method 516.8 Procedure IV
Vibration/ Shock	MIL-STD-810H, Method 514.8 Procedures I & II, General Minimum Integrity and Loose Cargo Test
Altitude	Operating 5°C and 30,000 feet Non-Operating -30°C and 40,000 feet

Interface

Display – General	LED backlight, 300 DPI transfective type TFT display
Display- Size	5" Capacitive multi-touch
Display – Resolution	1280 x 720
User Interface	International backlit Alpha-Numeric & QWERTY with Fn keys (12 physical + multiple Fn, Shift & AGr key combinations), Notification LEDs
Audio	1 W Mono Speaker and Dual Microphones with noise cancelling technology
Camera	13MP with flash, rear facing
I/O	USB-C for charging and USB 2.0 data transfer, USB-PD 2.0 supports charger inputs up to 9 V/3 A
Empower	Yes, 1 slot

Communications

Wi-Fi	2.4 GHz 802.11 b/g/n/ac & 5.0 GHz 802.11 a/n/a
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Bluetooth	Bluetooth 5 classic & BLE 5, Class 1
Cellular	Worldwide 4G LTE in regions where it is available, compatible with 3G networks, AT&T and Verizon certified, micro SIM card
GNSS	GPS L1 C/A, QZSS, Glonass, Galileo, Beidou, SBAS
Other	
Sensors	E-compass, accelerometer, gyroscope, ambient light sensor

[1] Battery operation and recharge times will vary based on many factors, including screen brightness, applications, features, power management, battery conditioning and other settings.
[2] Start-up temperature -20°C to 60°C (-4°F to 140°F)

Specifications subject to change without notice.

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