

Nilamtec T1 Series

IS IT A RUGGED TABLET? T1 IS MORE THAN A RUGGED TABLET, IT IS A TOOL FOR PROFESSIONAL USER TO IMPROVE THEIR PRODUCTIVITY

The Nilamtec T1 is a rugged designed for Construction, GIS, Environmental Management, Public and Utility Field applications. There are choices of T1 models to meet the GNSS accuracy requirements of location sensitive applications.

Basic Functions

T1 is a full functioned Android tablet. T1 can run Android Apps just as same as the Android Tablet in the market.

GNSS Accuracy

The GNSS performance of T1 is better than the standard tablet. T1 supports GPS, GLONASS and Beidou constellations. In addition to the strong GNSS reception power, T1 has choice of GNSS accuracy receiver options, which is from <5 m RMS standalone real time GNSS to cm grade RTK built-in receiver. You can easily find a right model to meet the challenges of positioning accuracy of your field applications.

Reliability and Efficiency in The Field

You can take T1 as a tablet to the field without worry about dust, water, damage caused by dropping the tablet, high or low temperature, and long operation hour.

- T1 provides IP67 rated protection from dust and water ingress
- The operating temperature of T1 is from -20°C to +60°C. T1 supports you in both cool winter and hot summer.
- User replaceable 8000 mAh battery allow you keep working all day long in remote sites.
- Integrated 16M pixel rear camera allows you take sharp photos for your information sharing.
- 8" AMOLED screen provides bright and easy to read display

Not Just a Rugged Tablet. It Is a Tool to Improve Your Productivity

It is a smart investment in T1. T1 helps you to improve your field operation efficiency in Worker Attendance Taking, E-work flow management, GIS data collection and more.



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Your Local Distributor:

Nilamtec T1 Series

STANDARD FEATURES

SYSTEM

- Integrated LTE cellular data, voice, and text capability
- 16MP rear camera, 5MP front camera
- High sensitivity GNSS receiver and antenna
- Bluetooth 4.1
- WIFI IEEE802.11 a/b/g/n/ac, 2.4GHz and 5GHz
- Capacitive multi-touch 8" AMOLED 1280 x 800 Gorilla Glass Screen, 450cd/m² Brightness
- 8000 mAh long lasting, user replaceable, wide temperature range battery
- Qualcomm MSM8940 Octa core 1.4GHz Processor
- 3GB RAM, 32GB Flash Memory
- Support Micro SD card
- Dual SIM, Dual Standby

OPERATING SYSTEM

- Android 8.1

COMMUNICATIONS NETWORK

- GSM:850/900/1800/1900,
- EVDO: BC0,
- WCDMA: B1/B2/B5/B8,
- TD-SCDMA: B34/B39
- TDD-LTE: Band38/Band39/Band40/Band 41,
- FDD-LTE: Band1/Band3/band4/band5/B and7/band8/band17/band20/band28
- WIFI: IEEE 802.11 a/b/g/n/ac, 2.4GHz and 5GHz
- Bluetooth: Bluetooth 4.1
- USB: USB 2.0, Type C
- NFC

- Extended Pogo Pin Interface: USB, UART, I²C, GPIO, Power Charging

POWER MANAGEMENT

- Battery: 8000 mAh board temperature range, user replaceable Li-ion battery
- Fast Charging: Support Qualcomm QC 3.0 (need to work with QC 3.0 charger)

SENSORS

G Sensor, Temperature Sensors, Gyroscope, Light Sensor, E-Compass

TECHNICAL SPECIFICATIONS

PHYSICAL

- Size: 235x146x13mm
- Weight: approx. 560 g (including battery, the weight varies with models)
- Processor: Qualcomm MSM8940 Octa core 1.4GHz
- Memory: 3GB RAM, 32GB Flash
- User Interface: Hard Keys Power, Volume up/down, F1, F2
- Battery: 8000 mAh, user replaceable, wide temperature range Li-ion battery

ENVIRONMENTAL

Temperature:

- Operating: -20 °C to +60 °C
- Storage: -30 °C to +70 °C

Humidity:

- 95% non-condensing

Dust and Water Proof:

- IP67

Drop Resistance:

- 1.2 m free drop to concrete

INPUT/OUTPUT

Extended Memory: Micro SD card (T card)

Display:

Damage-Resistant Gorilla Glass 8" AMOLED Capacitive Multi-touch screen
1280 x 800 Pixel resolution
450 cd/m² brightness

Audio:

Built-in speaker and microphone
Support USB-C type corded microphone

Camera:

Rear Camera: 16 MP with flash light
Front Camera: 5 MP

Sensors:

G Sensor, Temperature Sensors, Gyroscope, Light Sensor, E-Compass

GNSS SYSTEM

Models	T1S	T1N	T1T	T1P
Internal Patch Antenna, L1, B1, G1, 72 channels	Yes	Yes	Yes	Yes
Integrated Real Time SBAS Dual Constellation System, GPS/GLONASS or GPS/BEIDUO	Yes	Yes	Yes	No
External GNSS Antenna	Yes	Yes	Yes	Yes
Android Location Services	Yes	Yes	Yes	Yes
NMEA output	Yes	Yes	Yes	Yes
Raw Data output	No	No	Yes	Yes
RTK	No	No	No	Yes
Standalone GNSS Accuracy (horizontal RMS)	<5 M	<1.5 M	<1.5 M	<1.5 M
RTK Accuracy (horizontal RMS)	N/A	N/A	N/A	<1.5 CM



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