

Nilamtec T1 UHF

Rugged Tablet with UHF RFID

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 UHF is a rugged designed for Construction, Logistics, Surveying, GIS, Environmental Management, Public and Utility Field applications. T1 UHF can be used as a handheld with UHF RFID reading capability. It can be used for inventory / asset stock taking, user location tracking, mapping and other RFID tag information related applications.

Basic Functions

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

UHF RFID

With a well-integrated UHF RFID reader, T1 UHF is able to read UHF RFID tags within 3 meters. The reading speed is up to 50 tags/second.

SDK is available for innovative software programming for your support in highly dynamic field applications.

Reliability and Efficiency in The Field

You can take T1 UHF 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 UHF provides IP67 rated protection from dust and water ingress
- The operating temperature of T1 UHF is from -20°C to +60°C. T1 UHF 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 UHF. T1 UHF helps you to improve your field operation efficiency in building inspection, asset tracking, inventory control, work location verification. It helps you to make the complicated work done in an easy way.



Global Distributor:
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Your Local Distributor:

Nilamtec T1 UHF

Rugged Tablet with UHF RFID

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

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: 243 x 153 x 33 mm (without external GNSS antenna)
- Weight: approx. 660g
- 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

UHF RFID

Protocol:

ISO18000-6C (EPC C1G2)

Frequency:

840-960MHz

Data Capture Range:

Within 3 m

Reading Speed:

50 tags/second (Max)



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