

Nilamtec T10 Series

IS IT A RUGGED TABLET? T10 IS MORE THAN A RUGGED TABLET, IT IS A TOOL FOR PROFESSIONAL USER TO IMPROVE THEIR PRODUCTIVITY

The Nilamtec T10 is a 10" rugged tablet designed for Construction, BIM, GIS, Environmental Management, Public and Utility Field applications. To fulfill the special requirements of professional applications, T10 offers board range of choices for the user to choose their preferred OS, computing power, and hardware features. You can find a device which perfectly fit for your field application requirements.

Choices of OS

Both Android and WINDOW OS models are available from T10 series.

T10A supports Android 8.1 and 9.0.

T10W supports WIN 10 Pro, WIN 10 Pro S, and WIN 10 Home.

You can easily find a model to take care your future and legacy software needs.

Computing Power

Powered by Qualcomm 8953

Octa Core 2.2GHz CPU, T10A provides powerful and reliable computing power to process engineering software.

With choices of Intel Appololake N3350/N3450/N4200 CPU, you can always find a T10W which perfectly meets your technical and budgetary requirements.

Reliability and Efficiency in The Field

You can take T10 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.

- T10 provides IP67 rated protection from dust and water ingress
- The operating temperature of T10 is from -20°C to +60°C. T10 supports you in both cool winter and hot summer.
- User replaceable 44.46Wh battery allow you keep working all day long in remote sites.
- Integrated high resolution cameras allow you take sharp photos for your information sharing.
- 10" 1920x1200 450 Nits screen provides bright and easy to read display

Flexible Hardware Configurations for Professional Applications

Nilamtec T10 provides high flexibility of hardware configurations for professional applications. You may choose add-on for 1D/2D barcode scanning and high precision GNSS positioning. You can also use pogo pin port to connect the device to the equipment which supports serial connection.

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

It is a smart investment in T10. T10 helps you to improve your field operation efficiency in BIM management, GIS, stock tracking, E-work flow, GIS data collection and more.



Global Distributor:
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Your Local Distributor:

Nilamtec T10 Series

Nilamtec T10A

STANDARD FEATURES

SYSTEM

- Integrated LTE cellular data, voice, and text capability
- Qualcomm MSM8953 Octa core 2.2 GHz Processor
- 4GB RAM, 64GB Flash Memory
- Bluetooth 4.1
- WIFI IEEE802.11 a/b/g/n/ac, 2.4GHz and 5GHz
- Capacitive multi-touch 10" LCD 1920x1200 Gorilla Glass Screen, 450cd/m² Brightness
- Capacitive pen
- 13MP rear camera (with flash light), 5MP front camera
- 44.46 Wh, wide temperature range battery, hot swap
- Support Micro SD card
- Dual SIM, Dual Standby
- High sensitivity GNSS receiver and antenna (optional)
- 2D barcode scanner (optional)

OPERATING SYSTEM

- Android 8.1
- Android 9 (Available in Q4, 2019)

COMMUNICATIONS NETWORK

- GSM:850/900/1800/1900,
- EVDO: BCO,
- WCDMA: B1/B2/B5/B8,
- TD-SCDMA: B34/B39
- TDD-LTE: Band38/Band39/Band40/Band 41,
- FDD-LTE: Band1/Band 2/ Band3/Band4/Band5/Band7/ 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 (OTG) x1, USB Type A x 2
- NFC
- Extended Pogo Pin Interface: USB, UART, CAN
- HDMI

POWER MANAGEMENT

- Battery: 44.46Wh wide temperature range, user replaceable Li-ion battery, hot swap
- Fast Charging: Support Qualcomm QC 3.0 (need to work with QC 3.0 charger)

SENSORS

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

TECHNICAL SPECIFICATIONS

PHYSICAL

- Size: 256x185x17mm
- Weight: approx. 900 g (including battery, the weight various with models)
- User Interface: Hard Keys Power, Volume up/down, F1, F2

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
10" LCD Capacitive Multi-touch screen
1920 x 1200 Pixel resolution
450 cd/m² brightness

Audio:

Built-in speaker and microphone
Support corded microphone

Camera:

Rear Camera: 13 MP with flash light
Front Camera: 5 MP

Sensors:

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

OPTIONAL FEATURES

2D Scanner:

Red light LED 625 ± 10n
1D/2D barcode scanning

Centimeter Level GNSS Positioning

Receiver type:

184-channel
GPS L1C/A L2C, GLO L1OF L2OF, GAL E1B/C E5b, BDS B1I B2I, QZSS L1C/A L2C

Nav. update rate:

RTK up to 20 Hz¹

Position accuracy²:

RTK 0.01 m + 1 ppm CEP

Convergence time²:

RTK < 10 sec

Protocols:

NMEA, UBX binary, RTCM 3.3

GNSS Antenna Interface:

SMA, 50 Ohms

1: The highest navigation rate can limit the number of supported constellations

2: Depends on atmospheric conditions, baseline length, GNSS antenna, multipath conditions, satellite visibility, and geometry.



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Nilamtec T10W

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- 4GB / 8GB RAM, 64GB/128GB Flash Memory
- WIFI IEEE802.11 a/b/g/n/ac, 2.4GHz and 5GHz
- Bluetooth 4.1
- Capacitive multi-touch 10" LCD 1920x1200 Gorilla Glass Screen, 450cd/m² Brightness
- Capacitive pen
- 8MP rear camera (with flash light), 5MP front camera
- 44.46 Wh, wide temperature range battery, hot swap
- Support Micro SD card
- Single SIM
- 2D Barcode reader (optional)

OPERATING SYSTEM

- WIN 10 Pro / Pro S / Home

COMMUNICATIONS NETWORK

- GSM:850/900/1800/1900,
- WCDMA: B1/B5/B8/B9
- FDD-LTE: Band1/Band 2/ Band3/band4/band5/Band 6/ Band7/band8/band20
- WIFI: IEEE 802.11 a/b/g/n/ac, 2.4GHz and 5GHz
- Bluetooth: Bluetooth 4.1
- USB: USB 2.0, Type C (OTG) x1, USB Type A x 2
- NFC
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