

Nilamtec T5 Series

WHAT IS NEW WITH T5 TABLET?

T5 IS A NEW GENERATION 5G RUGGED TABLET WITH AI EDGE COMPUTING POWER AND SIGNIFICANT UPGRADE IN COMPUTER POWER, COMMUNICATION CAPABILITY AND USEABILITY. IT IS YOUR RELIABLE HANDHELD IN TOUCH ENVIRONMENT

The Nilamtec T5 is 8" rugged tablet designed for Construction, BIM, GIS, Environmental Management, Law Enforcement, Public and Utility Field applications. To fulfill the special requirements of professional applications, powered by Qualcomm QCM6490, T5 provides up to 14 TOPS (Tera Operation Per Second) AI computing power to process complicated engineering software for purpose-oriented applications.

AI Edge Computing Power and 5G Communication

Powered by Qualcomm QCM6490, Nilamtec T5 has built-in Hexagon processor, Adreno 643L GPU and Kryo 670 CPU. It supports generative AI edge computing for the industrial application such as AI vision analysis. It also supports 5G mobile network to meet the requirements of large volume

data exchange.

T5 is an ideal device to run engineering software in the field.

Reliability and Efficiency in The Field and Office

You can take T5 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.

- T5 provides IP68 rated protection from dust and water ingress
- The operating temperature of T5 is from -20°C to +60°C. T5 supports you in both cool winter and hot summer.
- User replaceable 7000mAh battery allows the device keep running in the field for long time.
- With enhanced GNSS capability, T5 supports "road level" GNSS positioning in complicated road environment of urban area, which allows you locate your position accurately, and reducing mistakes caused by positioning error.
- Integrated high-resolution cameras allow you take sharp photos for your information sharing.
- 8" 1280x800 700 Nits screen provides bright and easy to read display

- 4 user defined hard keys are available for quick access to frequent use and important applications, such as SOS and PTT.

- USB-C and USB-A ports are available for conventional keyboard, mouse and other office equipment connection. T5 can be used as PC liked device in the office.

Flexible Hardware Configurations for Professional Applications

Nilamtec T5 provides high flexibility of hardware configurations for professional applications. You may choose an embedded 1D/2D barcode scanner. 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

Nilamtec T5 is not a normal rugged tablet, it allows you make quality data in and quality AI analysis result out. T5 helps you to improve your field operation efficiency in BIM management, GIS, stock tracking, E-work flow, GIS data collection and more.



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Your Local Distributor:

Nilamtec T5 Series



- 5G-NR: N1/N3/N7/N8/N28/N38/N41/N77/N78/N79
- WIFI: IEEE 802.11 a/b/g/n/ac/ax, 2.4GHz and 5GHz, 2x2 MIMO
- Bluetooth: Bluetooth 5.2
- USB: Type C x1 support display port, USB 2.0 Type A x2
- NFC
- Pogo Pin:
 - 12 Pin Back UART/USB2.0/CAN/DCIN/GPIO
 - 10 Pin Bottom USB2.0/DCIN/GPIO

- User Interface:
 - Hard Key: Power, Volume up/down, F1/2/3/4

STANDARD FEATURES

SYSTEM

- Integrated 5G/LTE cellular data, voice, and text capability
- 13MP rear camera, 8MP front camera
- High sensitivity GNSS receiver and antenna
- Bluetooth 5.2
- WIFI IEEE802.11 /b/g/n/ac/ax, 2.4GHz and 5GHz, 2x2 MIMO
- Capacitive multi-touch 8" LCD 1920 x 1200 Gorilla Glass Screen, 700cd/m² Brightness
- Qualcomm QCM6490 Octa core 1xA78 2.7GHz, 3xA78 2.4GHz, 4x A55 1.9GHz
- 8GB RAM, 128GB/256GB UFS Flash Memory
- SIM and Micro SD card slots
- Sub-meter level accuracy by DGNSS¹
- 1D/2D barcode scanner (optional)

OPERATING SYSTEM

- Android 13 AOSP OS

COMMUNICATIONS NETWORK

- GSM: B2/B3/B5/B8,
- WCDMA: B1/B3/B5/B8,
- TD-WCDMA: B34/B39
- TDD-LTE: B38/B39/B40/B41,
- FDD-LTE: B1/B2/B3/B5/B7/B8/B20/B26/B28

POWER MANAGEMENT

- Battery: 7000 mAh user replaceable board temperature range, Li-ion battery
- Fast Charging: Support Qualcomm QC 4+ (need to work with QC 4+ charger)

GNSS

- GPS, GLONASS, BEIDU, and GALILEO (simultaneous operation of any three of the constellations)
- Sub-meter level DGNSS¹
- Meter level Standalone GNSS accuracy in open sky

SENSORS

G Sensor, Temperature Sensors, Gyroscope, Light Sensor, E-Compass, Fingerprint (optional)

TECHNICAL SPECIFICATIONS

PHYSICAL

- Size: 209x130x13.9mm
- Weight: approx. 550 g (including battery, the weight various with models)

ENVIRONMENTAL

Temperature:

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

Humidity:

- 95% non-condensing

Dust and Water Proof:

- IP68 (1.5 meter depth water for 30 minutes)

Drop Resistance:

- 1.2 m free drop (MIL-STD-810G)

INPUT/OUTPUT

Extended Memory:

Micro SD card (T card)

Display:

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

Audio:

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

Camera:

Rear Camera: 20 MP with flash light
Front Camera: 8 MP

OPTIONAL FEATURES

1D/2D Scanner

1D/2D barcode scanning

Notes:

1: Third party DGNSS software and services are required.



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