# TU700

## Technical Specification



Model: TU700-5
S/N: 10099999

IP69

## Connectivity

**Cellular**
5G Compliant LTE-M, NB-IoT, and GSM
Remote eSIM provisioning:
- iUICC Software SIM with seamless profile shift

Trackunit integrated Cellular Antenna Design

**GPS**
® IZat™ location technology Gen8C Lite (GPS, GLONASS, BDS, Galileo and QZSS)
Fast and Accurate GPS fixes in any environment

**Bluetooth** 5.0 with Long Range support

**WiFi** 4, IEEE 802.11 b/g/n

**Wireless Approvals**
CE
FCC
ISED
PTCRB

## Performance

ARM® CORTEX-M33 MCU Embedded with Cybersecurity Technology:
- Compliant with ARM® Trusted Base System Architecture (TBSA)
- Designed on ARM V8-M TrustZone® architecture technology:
- Platform Security Architecture (PSA) Certified - Level 3
- Security Evaluation Standard (SESIP) Certified - Level 3

Open-Source Zephyr OS
Flash: 2 x 64 Mbyte/768 kByte

## I/O

Dual CAN Bus (2 x CAN-FD, auto-baud, J1939/CAN Open)
Serial RS485 Modbus support
Software controlled CAN and Modbus termination
6x digital/analog input, 1 x digital output
Magnetically imposed device reset
Status LED (Operation, Status, Installation)

## Sensors

Temperature Sensor
6-Axis Inertial Measurement Sensor:
- 3-Axis Accelerometer (Motion & Utilization)
- 3-Axis Gyro Sensor (Tilt & Turnover)

## Compliance

**Environment Ratings**
IP66, IP67 & IP69 ingress protection
UV resistant, UL94-V0 Flame Retardant
Vibration: IEC 60068-2-64
Shock: IEC 60068-2-27
Cold: IEC 60068-2-1
Dry Heat: IEC 60068-2-2
Damp heat (humidity) IEC 60068-2-78
Thermal Shock: IEC 60068-2-14

## Temperature

Operating: -30°C - 60°C
Storage: -20°C - 50°C

## Power

Nominal supply voltage: 12 - 48 VDC systems
- Max. supply voltage range: 9-58VDC
- Max. input port voltage: 58VDC

Internal Battery: 3.6 V/800 mAh Li-ion
Charging Time: 4 hours

## Size and Weight

Size: 124.4 x 50.5 x 26.5 mm / 4.9 x 1.99 x 1.04in (with mounting cradle)
Weight: 192g / 6.77 oz (with standard connector)