

US-T5

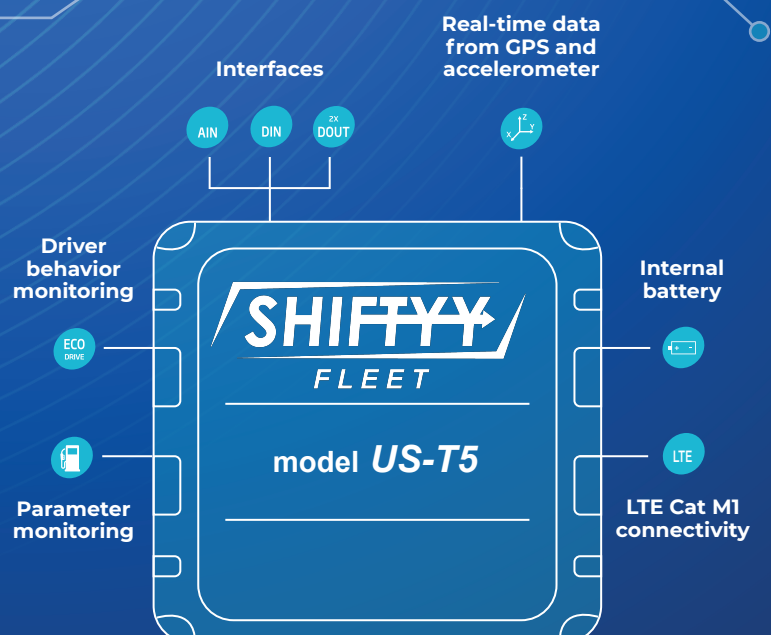
Datasheet



- **US-T5** has a proven quality rate of 99.9% and comes with a 2-year warranty.
- **GPS tracker** uses **LTE CAT M1** connectivity and premium GPS module.
- It is a compact, **Plug&Play**-type GPS tracker, which can connect multiple accessories.

Applications

- ✓ Track & Trace
- ✓ Safety & Security
- ✓ Green fleet
- ✓ Delivery
- ✓ Service fleets
- ✓ Vehicle leasing and financing
- ✓ Car rental



Detailed specifications

Environmental

Temperature

• Operating:	-22 to 140 °F	(-30 to +60 °C)
• Storage:	-40 to 149 °F	(-40 to +65 °C)
• Battery charging:	32 to 113 °F	(0 to +45 °C)
• Battery discharging:	-4 to 140 °F	(-20 to +60 °C)
• Battery storage:	-4 to 140 °F	(-20 to +60 °C)

Relative humidity

• 5% to 95% non-condensing

Electrical

Power supply range

• 8 to 30 V DC

Internal battery

• LiPo 3.7 V 190 mAh

Protections

- Battery short circuit protection
- Reverse polarity protection
- Electrostatic discharge protection on USB
- Charging protection

Power consumption @ 12 V DC

Operating

(battery fully charged)

• Idle mode:	97 mA
• Active mode (peak):	137 mA
• Sleep mode (lowest):	7 mA

Connectivity

LTE Cat M1 (4G)

• Modem:	Quectel BG96
• Antenna:	Internal
• Bands:	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B28/B39

GNSS

• Module:	U-blox EVA-M8M
• Antenna:	Internal
• Positioning systems:	GPS, GLONASS, Galileo
• Augmentation systems:	QZSS, SBAS (WAAS, GAGAN, EGNOS, MSAS)
• Tracking sensitivity:	-154 to -164 dBm
• Reacquisition sensitivity:	-152 to -160 dBm
• Cold start duration:	< 30 s
• Aided start:	3 s

Interfaces

Digital inputs	<ul style="list-style-type: none">• Available inputs: 1• Voltage range: 0 - 30 V DC• Voltage threshold: 4 V DC• Voltage threshold when inverted: 250 mV DC
Analog inputs	<ul style="list-style-type: none">• Available inputs: 1• Voltage range: 0 - 30 V DC• Resolution: 12 bit
Digital outputs	<ul style="list-style-type: none">• Available outputs: 2• Maximum voltage: 32 V DC• Maximum current: 1 A
User interfaces	<ul style="list-style-type: none">• Mini USB interface• RG indication LED

Features

Internal storage	<ul style="list-style-type: none">• 8 MB
SIM card	<ul style="list-style-type: none">• Micro SIM
Device management	<ul style="list-style-type: none">• Monitor, manage, upgrade, firmware, configure and troubleshoot devices remotely
Accelerometer	<ul style="list-style-type: none">• Built-in 3-axis (auto-calibrating, impact detection, motion sensing, tilt detection, g-force up to 4 g)

Certifications and Ratings

Certifications	<ul style="list-style-type: none">• FCC, IC, PTCRB
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Physical Properties

Dimensions	<ul style="list-style-type: none">• 2.56 x 2.40 x 0.87" (65 x 61 x 22 mm)
Weight	<ul style="list-style-type: none">• 2.17 oz (70 g)
Housing	<ul style="list-style-type: none">• Plastic

