



Advanced Telematics

Telematics Control Unit

AT-TCU-5-B-100

Essential 4G Telematics for Connected Fleets



AIS 004

Reliable, Secure & Efficient



Purpose-Built Track & Trace Platform

AIS 004 Part 3 compliant telematics designed for reliable fleet tracking and seamless system integration.



Secure Connectivity with Hardware-Level Protection

TLS 1.2 encryption combined with external hardware security ensures trusted data transmission.



Remote OTA Firmware Updates

Over-the-air firmware upgrades via HTTPS enable seamless device management and lifecycle scalability.

AE-TCU 4G Series



 **Advanced
Telematics**



Built for cost-efficient fleet tracking with secure connectivity, reliable positioning, and seamless integration into fleet management platforms.

- ✓ **Economical fleet tracking platform**
- ✓ **Secure Cat1 connectivity**
- ✓ **Rugged IP65 automotive design**
- ✓ **Field-proven reliability**

Parameters	Specifications	Parameters	Specifications
Operating Voltage	8-16V	Communication Protocol	CAN 2.0, CAN UDS
Nominal voltage	12V	Memory	16 MB NOR Flash
Device Sleeping Current	<5mA	Connector	6 Pin Automotive Connector
Device Normal Current	<100mA	Firmware Update Options	OTA (HTTPS), CAN
Compliance	AIS 004 Part 3	GNSS Antenna	L1 25x25 Patch Antenna
IP rating	IP 65	GNSS Support	GPS / BEIDOU / QZSS
Input	1 Ignition	Cloud Protocol	TCP/MQTT
Output	1 Digital Output	Modem	LTE Cat 1 - TLS1.2
NAND OS	Free RTOS		
In-built Battery	850 mAH (Min 4 hours)		

Empowering the Telematics Ecosystem

Complete telematics development and manufacturing, including system design, hardware engineering, validation, and high-volume production, backed by dedicated customer support.

Let's Co-Create the Future of Mobility.

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