



Advanced Telematics

Telematics Control Unit

AT-TCU-5-A-110

Advanced Telematics for Connected Fleets



Reliable, Secure & Efficient



Advanced Linux-Based Telematics Platform

AIS140 compliant telematics with eMMC support, Dallas 1-Wire, and automotive-grade interfaces.



Secure Connectivity with HSM Protection

TLS 1.2 encryption with internal HSM and upgradeable external HSM ensures secure data transmission.



Multi-Channel Firmware Updates

Firmware updates over HTTPS, RS232, CAN, and RS485 enable flexible device lifecycle management.

AE-TCU 4G Series



Advanced
Telematics



Built for advanced fleet telematics with secure connectivity, full GNSS support, and seamless integration into fleet platforms.

- ✓ Advanced AIS140 Telematics Platform
- ✓ Cat1 + 2G Fallback Connectivity
- ✓ IP65 Automotive Grade Design
- ✓ Linux-Based High Performance Architecture

Parameters	Specifications	Parameters	Specifications
Operating Voltage	9-32V	Communication Protocol	2 X CAN 2.0 CAN FD (Upgradable) CAN UDS BLE 5.0
Nominal voltage	12/24V	Memory	64MB / 128MB / 256MB Configurable
Device Sleeping Current	<5mA	Connector	23-Pin Automotive Connector
Device Normal Current	<100mA	Firmware Update Options	OTA (HTTPS), RS232, CAN, RS485
Sim Card	Esim	GNSS Antenna	Internal L1 + L5
IP rating	IP65	GNSS Support	GPS / BEIDOU / Galileo / GLONASS / QZSS
Input	1 Ignition, 8 Digital, 2 Analog	Cloud Protocol	TCP/MQTT
Output	2 Digital Output	Modem	Cat1 with 2G fallback - TLS 1.2
Internal Battery Charger	PP		
In-built Battery	850 mAh		

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.

Accolade Electronics Pvt. Ltd.

 **R&D Centre & Plant** : Pune, India

 marketing@accoladeelectronics.com | +91 93710 18392 | +91 83088 00720

 www.accoladeelectronics.com

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Advanced AIS140
Telematics Platform



Cat1 + 2G Fallback
Connectivity



IP65 Automotive
Grade Design



Linux-Based High
Performance Architecture

Parameters		Specifications
POWER	Operating Voltage	9-32V
	Nominal voltage	12/24V
	Operating Temperature	
	Storage Temperature	
	Sleeping Current	<5mA
	Normal Current	<100mA
	Sim Card	Esim
	IP rating	IP6K9K
	Input	1 Ignition, 8 Digital, 2 Analog
	Output	2 Digital Output
	Internal Battery Charger	PP
	In-built Battery	850 mAh

Parameters		Specifications
	Operating Voltage	9-32V
	Nominal voltage	12/24V
	Device Sleeping Current	<5mA
	Device Normal Current	<100mA
	Sim Card	Esim
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