



## Advanced Telematics

Telematics Control Unit

# AT-TCU-0-M-100

New Era of Reliable Telematics



AIS 140

### Smart, Secure & Scalable



#### AIS-140 Certified with Multi-Constellation GNSS

Supports IRNSS, GPS and global positioning for regulatory compliance and precise vehicle tracking.



#### Hardware-Level Security with TLS Encryption

Built-in secure architecture protects vehicle data and enables trusted connectivity.



#### OTA-Enabled for Future- Ready Fleet Operations

Remote firmware updates ensure continuous performance improvement and lifecycle scalability.

# AE-TCU 4G Series

Accolade  
ELECTRONICS



Advanced  
Telematics



Built for compliant fleets with secure connectivity and reliable vehicle integration.

- ✓ Ultra-low latency
- ✓ V2X ready
- ✓ Ruggedized automotive-grade casing
- ✓ Field-proven reliability

| Parameters               | Specifications                  | Parameters              | Specifications                               |
|--------------------------|---------------------------------|-------------------------|----------------------------------------------|
| Operating Voltage        | 8-32V                           | Communication Protocol  | RS232, CAN 2.0, BLE V4.2                     |
| Nominal voltage          | 12/24V                          | Memory                  | 1 Gbit (128 MB)<br>Upgradable upto 1GB       |
| Device Sleeping Current  | <5mA                            | Connector               | 18 Pin<br>Automotive Connector               |
| Device Normal Current    | <70mA                           | Firmware Update Options | OTA - HTTPS, RS232, CAN                      |
| Compliance               | AIS 140                         | GNSS Tolling            | As per<br>Amendment 3 Draft                  |
| IP rating                | IP 65                           | GNSS Support            | IRNSS/ GPS/ BEIDOU/<br>Galileo/ GLONASS/QZSS |
| Input                    | 1 Ignition, 1 Digital, 1 Analog | Cloud Protocol          | TCP/MQTT                                     |
| Output                   | 1 Digital Output                | Modem                   | TLS1.2                                       |
| Internal Battery Charger | Yes                             |                         |                                              |
| 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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Empowering Every Journey.