

The End-to-End IoT Ecosystem

Engineering Innovation from Device to Data Center.



Engineered Hardware

Automotive-grade devices designed and manufactured in an IATF-certified facility, built for EV and industrial IoT applications.



Global Connectivity

End-to-end connectivity solutions with multi-operator support, instant issue resolution, and complete SIM lifecycle management for seamless operations.



Software Intelligence

Scalable IoT platform empowering OEMs with predictive analytics, remote diagnostics, and intelligent lifecycle management.

Flagship Hardware Portfolio

Insights from 500,000+ deployed units. Production capacity of 50,000 devices/month.

- Supports multiple serial communication interfaces, including RS 232, RS 485, CAN, and 1-wire sensor integrations.
- Supports J1939 and UDS protocols for seamless integration and advanced diagnostics.
- Features 2G/4G connectivity, often specified as 4G LTE with 2G fallback.
- Designed for robust connectivity, capable of operating even with low signal strength.
- Utilizes data optimization to run exceptionally lean, using approximately 5 MB of monthly data.



Security & Protocols

Data transfer is secured via private APN and utilizes TLS 1.2/SSL encryption. Supports standard protocols including MQTT(S), TCP/IP, and HTTP(S).

Intelligence in Action: The Transight Cloud IoT Platform

Transforming raw data into actionable insights for optimized operations and growth

Cloud Scale & Access

- **Massive Capacity:** Platform is scalable for Millions of devices. Currently manages 200,000+ vehicles and processes 1 Billion+ Pings per day.
- **Visibility:** Customizable dashboards accessible via Web & Mobile (Android & iOS).
- **Control:** Supports Remote Vehicle Access & Control and Configuration Over The Air

Key Performance Insights

The platform provides Intelligent Data Analytics Reports, covering:



Efficiency Analysis and Energy Consumption reports.



Driver behavior monitoring.



Idle Time & Utilization Analysis.

Solution Focus	Core Capabilities
EV Intelligence Platform	Comprehensive EV analytics covering Battery (SoC/SoH), BMS, Motor Controller, and Charger systems via CAN/OBD data. Includes Remote Diagnostics, Fault Code Detection, and performance trend analysis for proactive maintenance.
OEM Remote Management	Secure Firmware Over the Air (FOTA) updates for multiple ECUs using the UDS protocol.
Predictive Maintenance	Real-time vehicle health monitoring using data-driven analytics to forecast failures in battery, drivetrain, or power systems. Automatically generates maintenance and service alerts to reduce downtime.
Cold Chain Monitoring	Continuous tracking of temperature, voltage, humidity, and power metrics to ensure energy efficiency. Suitable for EV fleets, cold chain vehicles.

CONTACT US

+91 98958 55345

OEM@transight.com

www.transight.com

India | Saudi Arabia