



Transight

Re-defining the dimensions of IoT

www.transight.com



India's Fastest-Growing Telematics Company

with a world-class manufacturing facility



TDRRA

தமிழ்நாடு தொலைத்தொடர்பு மற்றும் டிஜிட்டல் தொடர்புகள் அமைச்சு
TELECOMMUNICATIONS AND DIGITAL
COMMUNICATIONS REGULATORY AUTHORITY



Progress through Research



Our Solutions

Transight offers a comprehensive suite of advanced telematics solutions designed to enhance efficiency, connectivity, and compliance. Our innovative technologies provide real-time monitoring, actionable insights, and seamless automation, empowering industries to optimize operations, reduce costs, and ensure regulatory adherence.

With a focus on scalability, reliability, and customization, Transight enables businesses to stay competitive, adapt to evolving demands, and achieve sustainable growth across diverse sectors.

Telematics solution Our telematics solutions remotely capture vital metrics—like idling time, energy use, and anomalies—to cut inefficiencies, boost safety, and ensure compliance.	IoT solutions Transight's IoT solutions power real-time monitoring, predictive maintenance, and smarter supply chains.
Compliance solutions Transight delivers AIS 140-certified devices for India and globally compliant solutions—CST (Saudi Arabia), TRA (UAE), and Asateel (Abu Dhabi, in progress).	Fleet management Transight's telematics devices boost fleet visibility, cut downtime, and optimize resources.
Remote monitoring Remote monitoring solutions give real-time insights into equipment performance, tracking key parameters like temperature, pressure, and power usage.	Asset tracking Telematics-based asset tracking delivers real-time visibility, security, and actionable insights.
Custom manufacturing Transight delivers high-quality, customized devices tailored to your needs. With a state-of-the-art manufacturing facility, automated SMT lines, and advanced testing capabilities.	Cloud IoT platform Cloud IoT Platform delivers secure, scalable infrastructure for millions of devices. Supporting MQTT, COAP, and HTTP, it enables seamless connectivity, real-time analytics, remote configuration.



	COMPASS 2G	COMPASS 4G
Operating Voltage	9V-36V	9V-90V
Internal Battery	✓ (1000 mAh)	✓ (1000 mAh)
Cellular Module	2G GSM Module	LTE CAT 1 Module
Connectivity	2G	4G LTE with 2G fallback
GSM Bands	Quad Band 850/900/1800/1900 MHz	900/1800MHz
LTE Bands	Not applicable	FDD LTE: B1/B3/B5/B8 TDD LTE: B34/B38/B39/B40/B41
GNSS Chipset	Multi-GNSS engine for GPS, IRNSS, GLONASS, Galileo and QZSS	Multi-GNSS engine for GPS, IRNSS, GLONASS, Galileo and QZSS
Ingress Protection	IP 65	IP 65
Inbuilt Antenna	✓	✓
Accelerometer	✓	✓
Gyroscope	✓	✓
Ignition Input	1	1
Digital Inputs	3	6 (4 multiplexed with AI, 2 multiplexed with DO)
Digital Outputs	4	4 (2 Dedicated, 2 multiplexed with DI)
Analog Inputs	2	4 (4 multiplexed with DI)
Digital & Analog Port Protection	TVS & Polarity protection, resettable fuse	TVS & Polarity protection, resettable fuse
Sim Type	1x eSIM or 1x Micro SIM (optional)	1x eSIM or 1x Micro SIM (optional)
FOTA Through GPRS	✓	✓
COTA Through GPRS	✓	✓
Dimensions (mm)	99 x 87 x 39 (LxWxH)	100mm x 85mm x 38mm (LxWxH)
Operating Temperature	-20°C - +60°C (with battery)	-20°C - +60°C (with battery)
Storage Temperature	-40°C - +85°C (without battery)	-40°C - +85°C (without battery)
LED Indications	Power, GSM, GPS & User Status	Power, GSM, GPS & User Status
Supported Protocols	TCP/IP, HTTP(S) & SMS	TCP/IP, HTTP(S), MQTT(S), SMS
Serial Communication	-	1x RS485 interface, 1xCAN
Bluetooth	-	BLE 4.2
Immobilizer	✓	✓
I-Wire Communication	✓	✓



	Discovery 2G RS232	Discovery 2G RS485	Discovery 4G Basic	Discovery 4G Plus	Discovery 4G Adv.
Operating Voltage	9V-90V	9V-90V	9V-90V	9V - 90V	9V-90V
Internal Battery	✓	✓	✓	✓	✓
Cellular Module	2G GSM Module	2G GSM Module	LTE CAT 1 Module	LTE CAT 1 Module	LTE CAT 1 Module
Connectivity	2G	2G	4G LTE with 2G fallback	4G LTE with 2G fallback	4G LTE with 2G fallback
GSM Bands	Quad Band 850/900/1800/1900MHz	Quad Band 850/900/1800/1900MHz	900/1800MHz	900/1800MHz	900/1800MHz
LTE Bands	Not Applicable	Not Applicable	FDD LTE: B1/B3/B5/B8 TDD LTE: B34/B38/B39/B40/B41	FDD LTE: B1/B3/B5/B8 TDD LTE: B34/B38/B39/B40/B41	FDD LTE: B1/B3/B5/B8 TDD LTE: B34/B38/B39/B40/B41
GNSS Chipset	2G GSM Module with internal GNSS	2G GSM Module with internal GNSS	LTE CAT 1 Module with internal GNSS	LTE CAT 1 Module with internal GNSS	LTE CAT 1 Module with internal GNSS
Ingress Protection	IP54	IP54	IP54 / IP67	IP54 / IP67	IP54 / IP67
Inbuilt Antenna	✓	✓	✓	✓	✓
Accelerometer	✓	✓	✓	✓	✓
Ignition Input	1	1	1	1	1
Digital Inputs	2 (Multiplexed with AI)	2 (Multiplexed with AI)	3 (Multiplexed with AI,DO)	3 (Multiplexed with AI,DO)	3 (Multiplexed with AI,DO)
Digital Outputs	2	2	3 (Multiplexed with AI,DI)	3 (Multiplexed with AI,DI)	3 (Multiplexed with AI,DI)
Analog Inputs	2 (Multiplexed with DI)	2 (Multiplexed with DI)	3 (Multiplexed with DI,DO)	3 (Multiplexed with DI,DO)	3 (Multiplexed with DI,DO)
Digital & Analog Port Protection	TVS & Polarity protection, resettable fuse	TVS & Polarity protection, resettable fuse	TVS & Polarity protection, resettable fuse	TVS & Polarity protection, resettable fuse	TVS & Polarity protection, resettable fuse
Sim Type	1x Micro SIM or 1x eSIM (optional)	1x Micro SIM or 1x eSIM (optional)	1x Micro SIM or 1x eSIM (optional)	1x Micro SIM or 1x eSIM (optional)	1x Micro SIM or 1x eSIM (optional)
FOTA Through GPRS	✓	✓	✓	✓	✓
COTA Through GPRS	✓	✓	✓	✓	✓
Dimensions (mm)	70mmx60mmx23mm (LxWxH)	70mmx60mmx23mm (LxWxH)	70mmx60mmx23mm (LxWxH)	70mmx60mmx23mm (LxWxH)	70mmx60mmx23mm (LxWxH)
Operating Temperature	-20°C - +80°C (without battery)	-20° - +80° (without battery)	-20°C - +80°C (without battery)	-20°C - +80°C (without battery)	-20°C - +80°C (without battery)
Storage Temperature	-20°C - +60°C (with battery) *Discharge	-20°C - +60°C (with battery) *Discharge	-20°C - +60°C (with battery) *Discharge	-20°C - +60°C (with battery) *Discharge	-20°C - +60°C (with battery) *Discharge
LED Indications	Power, GSM, GPS & User Status	Power, GSM, GPS & User Status	Power, GSM, GPS & User Status	Power, GSM, GPS & User Status	Power, GSM, GPS & User Status
Supported Protocols	TCP/IP, HTTP(S) & SMS	TCP/IP, HTTP(S) & SMS	TCP/IP, HTTP(S), MQTT(S), SMS	TCP/IP, HTTP(S), MQTT(S), SMS	TCP/IP, HTTP(S), MQTT(S), SMS
Serial Communication	1x RS232 interface	1x RS485 interface	-	1x RS485 interface	1x RS485 interface, 1xCAN
Bluetooth	-	-	BLE 4.2	BLE 4.2	BLE 4.2
Immobilizer	✓	✓	✓	✓	✓
I-Wire Communication	✓	✓	✓	✓	✓



Discovery 4G - AC(Freezer Monitoring)

Operating Voltage	230 V, 50Hz
Internal Battery	3.7 V, 350 mAh
Cellular Module	LTE CAT 1 Module
Connectivity	4G LTE with 2G fallback
GSM Bands	900/1800MHz
Location	Cellular, Triangulation method, <50m accuracy
Ingress Protection	IP67
Internal Antenna	GPRS/ 4G
Analog/Digital Input	Optional - 4
Digital Output	Optional - 2
Mains Current Monitor	Optional(Single Phase)
Mains Voltage Monitor	✓ (Single Phase)
Internal amb. temp sensor	✓
External temp Sensor	NTC Type, -40°C - +100°C or One wire type, -40°C - +100°C
12C Terminal Block	✓
Door Control Switch input	✓
Relay control output	✓
SIM Type	1x Micro SIM or 1x eSIM (optional)
FOTA & COTA	✓
Dimensions (MM)	100x75x25
Operating Temp	-40°C - + 85°C
Storage Temp	-40°C - + 85°C (without battery) -20°C - + 70°C (with battery)
LED Indications	Power, GSM, GPS & User Status
Protocols	TCP/IP, HTTP(S), MQTT(S), SMS
Accelerometer	Optional

Datalogger - On the Go+

Battery	6500 mAh, Li-ion, Rechargeable
Battery run time	200 days on single charge
Charge	USB-C(5V), 10 hrs for full charge
Display	E-Ink, always on display
Connectivity	4G LTE Cat 1 with 2G fall back
GSM BANDS	Dual Band GSM/GPRS with Class 12 Type.
Wi-Fi	2.4GHz
Internal Antenna	GPRS Antenna
SIM Type	E- Sim (Multi-profile).
Status LEDs	Power, User, GSM And GPS
Internal Sensors	Temperature & Humidity
Temperature (Internal)	(-30 to +60) °C, ± 0.5 °C ACC
Humidity (Internal)	(0 to 100) % RH, ± 3% RH ACC
Temp Probe (External)	(-100 to +100) °C, ± 0.5 °C ACC
Location	NA
Data Coll. Interval	10 min std. (Conf. up to 5 min)
Data Sending Interval	60 min std. (Conf. up to 30 min)
Mounting	Cable zip tie, Adhesive and Magnetic holder(on-demand)
Ingress Protection	IP64
Platform	Webapp and Mobile App, Webhook/Open API (on-demand)
BLE 4.0	Wireless sync for Mobile App
Certifications	EN12830, CE, FCC, CFR 21 II
Mechanical	130mm x 60mm x 25mm, 180g



Rover series

Key features

- Long battery life: More than 10 years
- Fit and Forget type device
- Real time data capturing capability
- Internal Data storage upto 2000 logs
- GNSS time synchronization ability
- Software updates over air
- Real-Time data accuracy
- OTA Activation/Deactivation

Power and protection

- Intelligent power management to conserve battery.
- Battery thermal protection and RTC tamper protection.

Communication capabilities

- Cellular Module: 4G LTE Cat 1 with 2G fallback.
- 1x Micro SIM or 1x eSIM (optional)
- BLE 5.3 compatibility for external sensor integration.
- Up to 5 BLE sensors at once.
- Supports protocols: TCP/IP, HTTP(S), MQTT(S), SMS.
- Encryption – TLS 1.2/SSL

Security features

- Data transfer via private APN
- MQTTS for enhanced authentication
- TLS/SSL for added data safety
- APN based SIM

- APN based SIM
- Secure data storage and management
- Anti-Theft and tampering alert system
- Automatic recovery mode entering while tampering events.

Advanced GNSS technology

- Supports GPS, IRNSS (NavIC), GLONASS, Galileo, and QZSS.
- Frequency Bands: L1, L5 with Indian SBAS (GAGAN).
- Positional Accuracy: Circular error probability <2.5m.
- Update Rate: 1Hz (configurable).
- Assisted GNSS for enhanced performance.

Data handling

- COTA – Accelerometer ON or OFF, Recovery mode ON or OFF, tracking periodicity change, BLE ON or OFF, eSIM profile switching.
- One ping per Hour or 24 pings per day (configurable)

Mechanical details

- IP 67 – rated for Water and dust resistance
- IK10 – impact resistance
- Mounting holes for single sided break stem steel RIVETS x 6 nos.
- Secure diagonal RIVETING for mechanical mounting strength
- Laser engraved QR code on packet and serial number for easy installation and commissioning
- Dimension: 296 x 150 x 80 mm
- Weight: Less than 3000g



We collaborate with industry leaders to deliver innovative, high-quality telematics devices worldwide.

India | Saudi Arabia

Contact us:

Phone : +91 98958 55345

Mail : OEM@transight.com

Website : www.transight.com

Transight Systems Pvt.Ltd
Kerala Technology Innovation Zone
Kinfra Hi-Tech Park,
Cochin - 683503.

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