

TELEMATICS GATEWAY

BT364

LTE Cat-M1 Internal Antenna

A robust telematics gateway built for dynamic flexibility, with comprehensive I/O for light- and heavy-duty vehicles. The BT364 reports over LTE Cat-M1 with an internal antenna, supports J1939 / J1708 vehicle bus data, and pairs with BLE 5.0 sensors and tags across the Btracking gateway ecosystem.



LTE Cat-M1

J1939 / J1708

BLE 5.0

Internal Antenna

KEY FEATURES

- ✓ Flexible installation: wired, OBD, or 12V
- ✓ Heavy- and light-duty vehicle data
- ✓ Bluetooth LE 5.0 connectivity
- ✓ Driver monitoring
- ✓ Remote safety lockout
- ✓ Gateway & tag ecosystem support
- ✓ 4x digital inputs / 3x digital outputs
- ✓ 2x analog inputs
- ✓ 1-Wire interface
- ✓ Integrated buzzer
- ✓ Edge intelligence via PEG scripting
- ✓ J1939 & J1708 support

APPLICATIONS

Enterprise Fleet Tracking

Heavy Duty Truck & Equipment Telematics

Light Duty Vehicle Diagnostics

Driver Behavior & Performance Monitoring

Remote Safety Lockout & Stolen Vehicle Recovery

Gateway & Cargo Tag Ecosystem

Edge Intelligence Applications

BT364 — Full Technical Specifications

NETWORK & CONNECTIVITY

LTE Cat-M1 Bands	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19 /B20/B25/B26/B28/B39 MHz
GSM / GPRS	850 / 900 / 1800 / 1900 MHz
Protocol	SMS, UDP, TCP

GNSS SPECIFICATIONS

Constellation	GPS + GLONASS + SBAS (WAAS, EGNOS, MSAS)
Channels	55-channel receiver
Tracking Sensitivity	-162 dBm
Acquisition (Hot Start)	-156 dBm
Acquisition (Cold Start)	-148 dBm
Accuracy (CEP)	~2.0 m, open sky
Update Rate	Up to 4 Hz
AGPS	Yes

POWER CONSUMPTION

Deep Sleep	600 µA @ 12V
Radio Sleep	15 mA @ 12V
Active Track	90 mA @ 12V

PHYSICAL & POWER

Weight	142 g (5.0 oz) w/ 1000 mAh battery
Dimensions	145 × 53 × 33 mm (5.7" × 2.1" × 1.3")
Backup Battery	Lithium-Ion, up to 1000 mAh
Operating Voltage	9V – 30V DC
Operating Temp.	-30°C to +60°C (-22°F to +140°F)

VEHICLE BUS & I/O

Heavy Duty Protocols	J1939, J1708
Light Duty Protocols	J1850 PWM/VPW, SW-CAN, ISO 9141-2, KWP2000, ISO 15765 CAN
Ignition Input	1 fixed bias
Digital Inputs	4x high/low selectable, 0–30 VDC
Digital Outputs	3x open collector relay, 150 mA
Analog Inputs	2x external ADC inputs
1-Wire	1x driver ID / temperature sense
Power Outputs	1x switched VIN, 2x switched 3.3V
Serial	2x (1 TTL, 1 RS-232)
Buzzer	Integrated, programmable audible alert
Status LEDs	4x (GPS, cellular, VBUS, LAN)

WIRELESS & CONNECTORS

Bluetooth	BLE 5.0 capable
BLE Antenna	Internal
Cell Antenna	Internal
GPS Antenna	Internal
Vehicle BUS Connector	16-pin, 3mm pitch
Power / I/O Connector	24-pin, 3mm pitch
SIM	Internal 2FF SIM
Geo-fences	Built-in via PEG scripting
Edge Intelligence	PEG scripting — update or develop on-device apps

CERTIFICATIONS

