

GB429E

Technical Specifications

4G GPS Tracker for Automotives / EVs

Version: 1.1

Date: 5-Oct-2025

Status: Released



Copyright

The information contained here is proprietary technical information of JSD Electronics India Pvt. Ltd. Transmitting, reproducing, disseminating and editing this document as well as using the content without permission are forbidden. Offenders will be held liable for payment of damages.

Copyright © JSD Electronics India Pvt. Ltd. 2025. All rights reserved.

GB429E - Technical Specifications

S No.	FEATURE	SPECIFICATIONS
1	POWER SUPPLY	9-100V DC
2	NETWORK	4G Fallback 2G LTE Cat1 LTE-FDD - B1/B3/B5/B7/B8/B20/B28 LTE-TDD - B38/B40/B41 GSM - 850/900/1800/1900 MHz
3	DATA RATE	LTE-FDD: 10 Mbps (DL) /5 Mbps (UL) LTE-TDD: 8.96 Mbps (DL) /3.1 Mbps (UL) GPRS: max. 85.6 kbps (downlink/uplink)
4	GNSS SENSITIVITY	Acquisition: -147 dBm Tracking: -166 dBm Reacquisition: -160 dBm
5	GNSS ACQUISITION	TTFF @ -130dBm Cold Start: 30 s Warm Start: 28 s Hot Start: 1s
6	GNSS RECEIVING BANDS	GPS L1 C/A GLONASS L1 Galileo E1 BDS B1I & B1C QZSS L1 C/A
7	HORIZONTAL POSITION ACCURACY	Autonomous: 1.5 m
8	COMMUNICATION	TCP/IP, HTTP, SMS
9	ACCELEROMETER	3 Axis Motion Sensing
10	INTERNAL BATTERY	3.7 V Li-Poly, 150mAh
11	ANTENNA	High Gain Inbuilt Antennas for 4G/2G & GNSS
12	LEDs	3 x LED's (Power, GPS, Network)
13	DEVICE WORKING MODES	Active mode & Sleep mode
14	MEMORY	64Mb
15	HOUSING	IP65
16	SIM TYPE	Nano SIM
17	OPERATING TEMPERATURE	-20°C to 85°C

18	STORAGE TEMPERATURE	-40°C to 85°C
19	PROTECTIONS	Reverse Polarity, Overvoltage Surge, Short Circuit, Surge Current, Load Dump protection
20	CONFIGURATION	Web Based Configurator, SMS
21	CURRENT CONSUMPTION	ACTIVE MODE : < 50 mA SLEEP MODE : <10 mA
22	SOFTWARE FEATURES	FOTA, Odometer, Turn Detection, GPS Drift Control, Driving Behavior
23	CONNECTOR	10 Wire
24	INTERFACE	1 x Ignition 2 x Digital/Analog Input 1 x Digital Out 1 x RS232 1 x CAN 2.0
25	CAN INTERFACE	- Configurable from web - BMS Health Parameters - OBD Health Parameters - Support Below Protocols - J1979 - J1939 - Custom CAN IDs

Product Image

