

GB440

Technical Specifications

AIS140 Certified 4G GPS Tracker

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Released



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GB440 - Technical Specifications

S No.	FEATURE	SPECIFICATIONS
1	POWER SUPPLY	9-36 V 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, FTP, SMS

9	ACCELEROMETER	6 Axis Motion Sensing
10	INTERNAL BATTERY	3.7 V Li-Poly, 800mAh
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	Storage for 40000+ packets
15	HOUSING	Dust & Water Proof (IP65 Rated)
16	SIM TYPE	eSIM
17	OPERATING TEMPERATURE	-20°C to 85°C
18	STORAGE TEMPERATURE	-40°C to 85°C
19	PROTECTIONS	Reverse Polarity, Overvoltage Surge, Short Circuit, Over Current, Load Dump Protection (for 12V and 24V Battery)
20	CONFIGURATION	Web Based Configurator, SMS
21	CURRENT CONSUMPTION	ACTIVE MODE : < 50-90 mA SLEEP MODE : <20 mA

22	SOFTWARE FEATURES	FOTA, Odometer, Turn Detection, GPS Drift Control, Driving Behavior
23	CONNECTOR	16 Wire (with CAN) or 14 Wire (Without CAN)
24	CONNECTIVITY	1 x Ignition 1 x Digital Input for Panic Button 2 x Digital input 2 x Digital Output 2 x Digital Output Analog Input 1 x RS232 1 x CAN 2.0
25	Type A * Type B BLE ** Type C CAN INTERFACE***	- Only Type B cable - BLE using for full sensor - CAN Interface in Optional - Configurable from web - BMS Health Parameters - OBD Health Parameters - Support Below Protocols - J1979 - J1939 - Custom CAN IDs

26	RS232 INTERFACE	- Debug Information - RFID Integration (Optional) - Configurable from web
27	CERTIFICATION	AIS140 Certified from ARAI, ROHS