



AIS140 2G Device Datasheet

AIS140 2G - Technical Specifications

S No.	FEATURE	SPECIFICATIONS
1	POWER SUPPLY	9-36 V DC
2	CELLULAR	Quad Band 900/1800/850/1900
3	GPRS DATA	GPRS class 12: max. 85.6 kbps (downlink/uplink)
4	GNSS SENSITIVITY	Acquisition: -147 dBm Tracking: -163 dBm Reacquisition: -156 dBm
5	GNSS ACQUISITION	TTFF @ -130dBm Cold Start - 32s Warm Start - 25s Hot Start - 2s
6	GNSS RECEIVING BANDS	GPS L1/Galileo E1 C/A: 1575.42 MHz IRNSS L5 C/A: 1176.45 MHz GLONASS L1 C/A: 1602.5625 MHz BD2 B1 C/A: 1561.098 MHz
7	HORIZONTAL POSITION ACCURACY	< 1.8 m CEP
8	COMMUNICATION	TCP/IP, HTTP (For CDAC), FTP, SMS
9	ACCELEROMETER	6 Axis Motion Sensing
10	INTERNAL BATTERY	3.7 V Li-Poly, 800mAh
11	ANTENNA	High Gain Onboard Antennas for GSM & GNSS
12	LEDs	Three LED's for Power, GPS and GSM status indication
13	DEVICE WORKING MODE	Active mode & Sleep mode
14	MEMORY	Storage for 40000+ packets
15	HOUSING	Dust & Water Proof (IP65) Material - Nylon 30%
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, Surge Current, Load Dump protection (For 12 V and 24 V Battery)
20	CERTIFICATION	AIS140 Compliant (ARAI), ROHS Compliant
21	CURRENT CONSUMPTION	ACTIVE MODE : 50 - 90 mA SLEEP MODE : <20 mA
22	CAN(Optional)	Vehicle & BMS CAN Support up to 2 channels
23	BLE(Optional)	For any BLE Sensors Communication
24	SOFTWARE FEATURES	FOTA, Odometer, Turn Detection, GPS Drift Control, Driving Behavior
25	CONNECTIVITY	Ignition Panic Button 2 Digital Input 1 Digital Out 2 Analog Input 1 RS232 Optional – 1 Digital Out