XENOVEX 4G AIS 140

xenovex Technologies
Empowering Your Business

Low power consumption & power optimization	6 Digital I/Os & 2 Analog input	Accelerometer & Gyroscope
Multi Constellation GNSS Receiver	AIS 140 Certified	Long Battery Backup up to 4 hours
Remote health checking/ Diagnosis through SMS	Easy Installation & Configuration	IP65 Rating

Xenovex 4G AIS 140 - GPS Device Specification

Parameters	Specifications	Features
LTE-Cat1	B1, B3, B5, B8, B34, B39, B40, B41	Provides broad LTE connectivity across multiple frequency bands.
2G	900/1800 MHz	Enables global connectivity and communication.
Communication Interface	TCP/IP, HTTP	Enables internet-based communication and data transfer.
Short Range	Bluetooth 5.0	Provides reliable wireless communication.
Navigation	GPS, GELILEO, NavIC, BeiDou	Provides accurate location tracking and navigation services.
Digital Input	4 Nos	Detect vehicle movement; connect to panic button or AC system.
Digital Output	2 Nos	Output used for vehicle immobilization in case theft.
Analog Input	2 Nos	The analog input is used for fuel sensors to check actual fuel level in vehicle.
RS232 / RS485	1 No (Either One)	Enables communication with various vehicle and external systems.
USB	2.0 - For Config Purpose Only	Facilitates data transfer and device connectivity.
Ignition (IGN)	Yes	Device digital input (IGN) will be connected to vehicle IGN to detect vehicle on/off.
Panic Button	Yes	Enables quick emergency alerts for immediate assistance.
Accelerometer & Gyroscope	Yes	Tracks vehicle orientation, acceleration, and movement changes.
OTA / FOTA	Yes	The device as an option to update the configuration parameters and firmware update through maintenance server.
Device Case Open/Tamper Alert	Yes	In case device main power is disconnected or device box is tampered or open the device will detect an alert.
Sleep Mode Current	<5mA	Device has an option to configure to sleep mode once the vehicle is in OFF condition.
LED Status Indicators	GNSS, Process, Cellular, Power	LED indication is to check the device behavior with respect GNSS, Cellular, Power & Process LED.
Power Supply	9-90V DC	Supports a wide range of vehicle power sources.
Internal Battery	850 mAH	Offers backup power during brief outages.

XENOVEX 4G AIS 140

- Low power consumption & power optimization
- 6 Digital I/Os & 2 Analog input
- Accelerometer & Gyroscope
- Multi Constellation GNSS Receiver
- AIS 140 Certified
- Long Battery Backup up to 4 hours
- Remote health checking/ Diagnosis through SMS
- Easy Installation & Configuration
- IP65 Rating

Xenovex 4G AIS 140 - GPS Device Specification

Parameters	Specifications	Features
GSM / GNSS / BLE Antenna	Internal	Enable communication, navigation, and connectivity.
SIM	eSIM (MFF2)	Enables connectivity and location tracking for devices.
Data Storage Memory	128MB	Stores telematics data for analysis and reporting.
Record Storage Count	40000 Records	Holds historical data for review and analysis.
Configuration	USB / SMS / TCPIP / BLE	Allows device setup via multiple communication methods.
Operating Temperature	-25 to +85 Degree Celsius	Ensures operation in extreme temperatures.
Storage Temperature	-40 to +85 Degree Celsius	Protects device during extreme temperature storage.
Vibration	IS:9000-8	Ensures durability against mechanical vibrations.
Ingress Protection	IP65	Protects against dust and water.
Temperature Endurance	ISO 16750-4, Clause 5.1.2.2	Ensures durability under extreme temperature conditions.
Thermal Shock	ISO 16750-4	Tests resilience to rapid temperature changes.
Mechanical Shock	ISO 16750-3	Ensures device reliability under mechanical shock conditions.
Electrical (Load Dump)	ISO 7637-2 Pulse 5a, 5b	Protects against voltage spikes and electrical surges.
EMI / EMC	AIS-004	Reduces electromagnetic interference for reliable operation.
Certification	AIS 140	Ensures compliance with Indian vehicle tracking standards.
Dimensions (LxWxH)	98mm x 85mm x 31mm	Determines device's physical dimensions.
Weight	<185 grams	Indicates device's overall weight.