



# Bharat 101



Low power consumption & power optimization



6 Digital I/Os  
2 Analog Input



Accelerometer & Gyroscope



1 RS232, 1 USB Port



Long Battery Backup up to 6 hrs\*



Remote Health Checking / Diagnostics Through SMS



AIS 140 Certification



IP65 Rating

Parameters		Specifications
Cellular	2G	Quad-band 850 / 900 / 1800 / 1900 MHz
Communication Interface		TCP/IP
Short Range	BLE	4.0
Navigation	GNSS	GPS, NavIC
External Interfaces	Digital Input	4 Nos
	Digital Output	2 Nos
	Analog Input	2 Nos
	RS232	1 No
	USB	2.0 (For Config Purpose Only)
Wake-up Sources	IGN	Yes
	Panic Button	Yes
Device Case Open / Tamper Alert		Yes
LED Status Indicators		GNSS, Process, GSM, Power
Power Supply		9-32V DC
Sleep Mode Current		<5 mA
Internal Battery		850 mAh
GSM / GNSS / BLE Antenna		Internal
Movement Sensors		Accelerometer & Gyroscope
SIM		eSIM (MFF2)
Data Storage		128 Mbit
Internal Storage Data		40000 Records
Configuration		USB / SMS / TCPIP / BT
OTA/FOTA		Yes

Contact us at:

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**Note:**

*We pursue a policy of continuous research & product development. Specifications and features are subject to change without prior notice.*

\* Backup time may vary based on configuration and battery ageing



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Parameters	Specifications	
Temperature	Operating Temperature (Without Battery)	-25 to +85 deg
	Storage Temperature (Without Battery)	-40 to +85 deg
	Operating Humidity	5% to 95% non-condensing
	Battery Charge Temperature	-0 to +45 deg
	Battery Discharge Temperature	-20 to +60 deg
	Battery Storage Temperature	-20 to +45 deg for 1 month -20 to +35 deg for 6 month
Performance & Durability	Vibration	IS:9000-8
	Ingress Protection	IP65
	Dry Heat	IS:9000 -3
	Shock	IS:9000-7
	Electrical (Load Dump)	ISO7637-2
	EMI / EMC	AIS004-3
Certification	AIS 140	
Dimensions (LxWxH)	120mm x 68mm x 34mm	
Weight	~206 grams	

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