



Bharat101 Plus 4G - Brahma



Low power consumption & power optimization



9 Digital I/Os
2 Analog Inputs



Accelerometer & Gyroscope



Multi Constellation
GNSS Receiver



Long Battery Backup up to
4 hrs*



Remote Health Checking /
Diagnosis Through SMS



AIS 140 Certified



IP65 Rating

Parameters		Specifications
Cellular	LTE-Cat1	B1, B3, B5, B8, B34, B39, B40, B41
	2G	900/1800 MHz
Communication Interface		TCP/IP
Short Range	BLE	5.0
Navigation	GNSS	GPS, GELILEO, NavIC, BeiDou
External Interfaces	Digital Input	5 Nos
	Digital Output	4 Nos
	Analog Input	2 Nos
	RS232	1 No
	1 Wire	1 No
	USB	2.0 (For Config Purpose Only)
Wake-up Sources		Accelerometer, Ignition, Panic Button & Main Power
Device Case Open / Tamper Alert		Yes
LED Status Indicators		GNSS, Process, GSM, Power
Power Supply		8-36V DC
Sleep Mode Current		<5mA
Internal Battery		850mAh
LTE / GNSS / BLE Antenna		Internal
Movement Sensors		Accelerometer & Gyroscope
SIM		eSIM (MFF2)
Data Storage		128 MByte
Internal Data Storage		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)		97mm x 84mm x 31mm
Weight		-170 grams

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