Tor Jupiter


Made in India
CE
tor.ai™
Jupiter
11-90V DC
4G-LTE
CAN
Rs485
Ethernet
WiFi
BLE
G-sensor
IP 65

Model Number	Jupiter 511	Jupiter 512	Jupiter 513	Jupiter 514
Power Supply				
Supply Voltage	11-90 V DC	11-90 V DC	11-90 V DC	11-90 V DC
Max Supply Voltage	90 V DC	90 V DC	90 V DC	90 V DC
Reverse Polarity Protection	0 to -90 V DC	0 to -90 V DC	0 to -90 V DC	0 to -90 V DC
Max Operating Current	<100 mA	<100 mA	<100 mA	<100 mA
Peak Operating Current	2A @network activities	2A @network activities	2A @network activities	2A @network activities
BackUp Battery	1000 mAH , Li-Ion 3.7 V	1000 mAH , Li-Ion 3.7 V	1000 mAH , Li-Ion 3.7 V	1000 mAH , Li-Ion 3.7 V
Communication				
Cellular	4G- LTE-FDD B1/B3/B5/B8 LTE-TDD B34/B38/B39/ B40/B41 2G- GSM 900 MHz/1800 MHz	4G- LTE-FDD B1/B3/B5/B8 LTE-TDD B34/B38/B39/ B40/B41 2G- GSM 900 MHz/1800 MHz	4G- LTE-FDD B1/B3/B5/B8 LTE-TDD B34/B38/B39/ B40/B41 2G- GSM 900 MHz/1800 MHz	NA
WIFI	NA	NA	NA	IEEE 802.11 Wireless network
GNSS	GPS, GLONASS, BeiDou, Galileo, QZSS	GPS, GLONASS, BeiDou, Galileo, QZSS	GPS, GLONASS, BeiDou, Galileo, QZSS	GPS, GLONASS, BeiDou, Galileo, QZSS
Network Protocol	Mqtt, TCP IP	Mqtt, TCP IP	Mqtt, TCP IP	Mqtt, TCP IP
Interfaces				
Digital Input	8 (0-40 V)	8 (0-40 V)	8 (0-40 V)	8 (0-40 V)
Digital output	4	4	4	4
Analogue Input	8 (30v)- Voltage based	8 (4-20mA)	8 (6-voltage based 30V and 2-current based 4-20mA)	8 (6 voltage based and 2 current based)
CAN	1	1	1	1
RS232/485	1 (RS485)	1 (RS485)	1 (RS485)	1 (RS485)
Counter Input (0-1000 Hz)	2	2	2	2
Hour Meter	1	1	1	1
Ethernet	NA	NA	NA	NA
GNSS Antenna	External	External	External	External
Cellular Antenna	External GSM	External GSM	External GSM	External GSM
LED Indication	Power, Network, GNSS	Power, Network, GNSS	Power, Network, GNSS	Power, Network, GNSS
SIM	Micro	Micro	Micro	NA
Memory	128MB	128MB	128MB	128MB
Bluetooth				
Specification	BLE 4.2	BLE 4.2	BLE 4.2	BLE 4.2
Supported peripherals	Fuel sensors, BLE Beacons	Fuel sensors, BLE Beacons	Fuel sensors, BLE Beacons	Fuel sensors, BLE Beacons
Additional Features				
Configuration & FW update	FOTA	FOTA	FOTA	FOTA
Sensors	Accelerometer	Accelerometer	Accelerometer	Accelerometer
Operating Environment				
Operating Temperature	-40 to +85 deg C	-40 to +85 deg C	-40 to +85 deg C	-10 to +70 deg C
Operating Humidity	85 Rh	85 Rh	85 Rh	85 Rh
Vibration	2g, 10-150 Hertz	2g, 10-150 Hertz	2g, 10-150 Hertz	2g, 10-150 Hertz
Enclosure Ingress Protection (IP)	IP 65	IP 65	IP 65	IP 65

Jupiter 515	Jupiter 611	Jupiter 612	Jupiter 811	Jupiter 812
Power Supply				
11-90 V DC	11-90 V DC	11-90 V DC	11-30 V DC	11-30 V DC
90 V DC	90 V DC	90 V DC	30 V DC	30 V DC
0 to -90 V DC	0 to -90 V DC	0 to -90 V DC	0 to -30 V DC	0 to -30 V DC
<100 mA	<100 mA	<100 mA	<100 mA	<100 mA
2A @network activities	2A @network activities	2A @network activities	2A @network activities	2A @network activities
1000 mAH , Li-Ion 3.7 V	1000 mAH , Li-Ion 3.7 V	1000 mAH , Li-Ion 3.7 V	NA	NA
Communication				
4G- LTE-FDD B1/B3/B5/B8 LTE-TDD B34/B38/B39/ B40/B41 2G- GSM 900 MHz/1800 MHz	4G- LTE-FDD B1/B3/B5/B7/ B8/B20 LTE-TDD B38/B40/ B41WCDMA-B1/B5/B8 2G- GSM 900 MHz/1800 MHz	NA	NA	NA
NA	NA	IEEE 802.11 Wireless network	NA	IEEE 802.11 Wireless network
GPS, GLONASS, BeiDou, Galileo, QZSS	GPS, GLONASS, BeiDou	GPS, GLONASS, BeiDou	NA	NA
Mqtt, TCP IP	Mqtt	Mqtt	Ethernet	Mqtt
Interfaces				
8 (0-40 V)	0	0	0	0
4	0	0	0	0
8 (4 Resistive- 200 ohms and 4 current based-4-20mA)	0	0	0	0
1	1	1	0	0
1 (RS485)	1 (RS485)	1 (RS485)	1 (RS485)	1 (RS485)
2	NA	NA	NA	NA
1	NA	NA	NA	NA
NA	1	1	1	1
External	External	External	NA	NA
External GSM	External GSM	External GSM	NA	NA
Power, Network, GNSS	Power, Network, GNSS	Power, Network, GNSS	NA	NA
Micro	Micro	NA	NA	NA
128MB	8MB	8MB	8MB	8MB
Bluetooth				
BLE 4.2	NA	BLE 4.2	NA	BLE 4.2
Fuel sensors, BLE Beacons	NA	Fuel sensors, BLE Beacons	NA	Fuel sensors, BLE Beacons
Additional Features				
FOTA	FOTA	FOTA	NA	NA
Accelerometer	NA	NA	NA	NA
Operating Environment				
-40 to +85 deg C	-40 to +85 deg C	-10 to +70 deg C	-40 to +85 deg C	-40 to +85 deg C
85 Rh	85 Rh	85 Rh	85 Rh	85 Rh
2g, 10-150 Hertz	2g, 10-150 Hertz	2g, 10-150 Hertz	2g, 10-150 Hertz	2g, 10-150 Hertz
IP 65	NA	NA	NA	NA