

Tor Venus



Model Number	Venus 411	Venus 411 B	Venus 511	Venus 511 E 1	Venus 511 E 2
Power Supply					
Supply Voltage	14-90 V DC	14-90 V DC	12-30 V DC	12-30 V DC	12-30 V DC
Max Supply Voltage	90 V DC	90 V DC	30 V DC	30 V DC	30 V DC
Reverse Polarity Protection	0 to -90 V DC	0 to -30 V DC	0 to -30 V DC	0 to -30 V DC	0 to -30 V DC
Max Operating Current	<100 mA	<100 mA	<100 mA	<100 mA	<100 mA
Peak Operating Current	2A @network activities	2A @network activities	2A @network activities	2A @network activities	2A @network activities
BackUp Battery	NA	800 mAH , Li-Ion 3.7 V	800 mAH , Li-Ion 3.7 V	800 mAH , Li-Ion 3.7 V	800 mAH , Li-Ion 3.7 V
Communication					
Cellular	4G- LTE-FDD B1/B3/B5/B8	4G- LTE-FDD B1/B3/B5/B8	4G- LTE-FDD B1/B3/B5/B8	4G- LTE-FDD B1/B3/B5/B8	4G- LTE-FDD B1/B3/B5/B8
	LTE-TDD B34/B38/B39/B40/B41	LTE-TDD B34/B38/B39/B40/B41	LTE-TDD B34/B38/B39/B40/B41	LTE-TDD B34/B38/B39/B40/B41	LTE-TDD B34/B38/B39/B40/B41
	2G- GSM 900 MHz/1800 MHz	2G- GSM 900 MHz/1800 MHz	2G- GSM 900 MHz/1800 MHz	2G- GSM 900 MHz/1800 MHz	2G- GSM 900 MHz/1800 MHz
GNSS	GPS, GLONASS, BeiDou, Galileo, QZSS	GPS, GLONASS, BeiDou, Galileo, QZSS	GPS, GLONASS, BeiDou, Galileo, QZSS	GPS, GLONASS, BeiDou, Galileo, QZSS	GPS, GLONASS, BeiDou, Galileo, QZSS
Network Protocol	TCP/IP, Mqtt	TCP/IP, Mqtt	TCP/IP, Mqtt	TCP/IP, Mqtt	TCP/IP, Mqtt
Interfaces					
CAN	1	1	1	1	1
RS485	NA	NA	1	1	1
Digital Input	2 (0-90V)	2 (0-90V)	2 (0-30V)	2 (0-30V)	2 (0-30V)
Digital Output	1 (500mA, 60V)	1 (500mA, 60V)	1 (500mA, 60V)	1 (500mA, 60V)	1 (500mA, 60V)
Analogue Input	NA	2 (0-90V) single wire	2 (0-30V) single wire	2 (0-30V) single wire	2 (0-30V) single wire
Counter Input (0-1000 Hz)	NA	NA	1	1	1
Hour Meter	NA	NA	1	1	1
GNSS Antenna	Internal	Internal	External	External	Internal
Cellular Antenna	Internal GSM	Internal GSM	External GSM	External GSM	Internal GSM
SIM	Micro	Micro	Micro	Micro	Micro
Memory	64MB	64MB	1000 strings	64 MB	64 MB
Bluetooth					
Specification	BLE 4.2	BLE 4.2	BLE 4.2	BLE 4.2	BLE 4.2
Additional Features					
Configuration / FOTA	Web configuration	Web configuration	Web configuration	Web configuration	Web configuration
Sensors	NA	Accelerometer	NA	NA	NA
Physical Specification					
Dimension	120 * 115 * 35 (L*W*H)	120 * 115 * 35 (L*W*H)	120 * 115 * 35 (L*W*H)	120 * 115 * 35 (L*W*H)	120 * 115 * 35 (L*W*H)
Standard Harness	4 Pin	4 Pin	12 Pin	12 Pin	12 Pin
Operating Environment					
Operating Temperature	-40 to +85 deg C	-40 to +85 deg C	-40 to +85 deg C	-40 to +85 deg C	-40 to +85 deg C
Operating Humidity	85 Rh	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	2g, 10-150 Hertz
Enclosure Ingress Protection (IP)	IP 65	IP 65	IP 65	IP 65	IP 65