



Specifications

General

Power	8V to 32V DC
Internal Battery	Li-Polymer, 60 mAh
Temperature	-20 to +70 [°C] -4 to +158 [°C]
L x W x H	49.49 mm x 48.5 mm x 21.9 mm
Weight	58 g

GNSS Specifications

GNSS Type	u-blox All-in-One GNSS receiver
Sensitivity	Autonomous: -147 dBm Hot start: -156 dBm Reacquisition: -160 dBm Tracking: -162 dBm
Position Accuracy (CEP)	Autonomous: < 2.5m
TTFB (Open Sky)	Cold start: 27s average Warm start: 27s average Hot start: 1s average

LTE Specifications

Operating Band	Cat M1/Cat NB1: LTE-FDD: B1/ B2/ B3/ B4/ B5/ B8/ B12/ B13/ B18/ B19/ B20/ B25/ B28
Data Transmission	eMTC (DL) 375 Kbps eMTC (UL) 375 Kbps NB1 (DL) 32 Kbps NB1 (UL) 70 Kbps

Connectivity

Bluetooth	Global LTE Cat M1/NB1 with 2G fallback
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EGPRS Specifications

Frequency	EGPRS 850 / 900 / 1800 / 1900 MHz
Data Transmission	GPRS multi-slot class 33 (33 by default) EDGE multi-slot class 33 (33 by default)

Interfaces

OBDII Port	Provide device power Allow information to be read from OBDII port Support legislated OBDII protocols:ISO 15765 Support vehicles manufactured after 2008 and offered for sale in the US
Cellular Antenna	Internal only
GNSS Antenna	2 internal GNSS antennas, use the one with better signal automatically
BLE Antenna	Internal only
Indicator LED	CELL, GNSS