



DATA SUPPORT

SMS, UDP Packet Data, TCP, CalAmp Telematics
Cloud API

CELLULAR/NETWORK

North American Variant I

LTE Cat 1 1900 (B2)/AWS 1700 (B4)/850 (B5)/700 (B12) MHz

HSPA/UMTS 850 (V)/1900 (II) MHz

North American Variant II

LTE Cat 1 1900 (B2)/AWS 1700 (B4)/700 (B13) MHz

Global Variant

HSPA/UMTS 900 (VIII)/800 (VI)/850 (V) /1700 (IV)/1900 (II)/2100 (I) MHz

GSM/GPRS 850/900/1800/1900 MHz

SATELLITE LOCATION (GNSS)

Constellation Support Hybrid GPS, SBAS Engine (WAAS, EGNOS, MSAS, GAGAN)

Channels 50 Channel

Tracking Sensitivity -162 dBm

Acquisition Sensitivity -148 dBm

Location Accuracy ~2.0m CEP Open Sky (GPS SBAS 24 hours static)

Location Update Rate Up to 4 Hz

Geofence 32 PEG-Zones (rectangular/circular) 1024 Geo-Zones (polygon/circular - 5400)

AGPS Location Assistance Capable

COMPREHENSIVE I/O

Accelerometer Built in, triple-axis (driver behavior, impact detection, motion sensing, tilt detection)

Status LEDs 3 (OBD, GPS, cellular)

Serial Interface 2-wire TTL serial interface (optional fit)

CERTIFICATIONS

FCC, CE, IC, PTCRB, RoHS

PRODUCT OPTIONS

Customized hardware and software development

DEVICE MANAGEMENT

PULS™ Monitor, manage, upgrade firmware, configure and troubleshoot devices remotely.

ELECTRICAL

Operating voltage 9-16 VDC Vehicle Systems
9-30 VDC (start-up, operating)
7-32 VDC (momentary)

Power Consumption Typical 4.9mA @ 13V (deep sleep)
Typical 83mA @ 13V (normal operation)
Typical 66mA @ 13V (SMS, UDP connection, GPS off) Typical 114mA @ 13V (continuous transmit)

MOUNTING

Via built-in OBDII connector
Self-adhesive mounting with OBDII extender cable

ENVIRONMENTAL

Temperature -30° to +75° C (connected to primary power) -40° to +85° C (storage)
Humidity 95% RH @ 50° C (non-condensing)

Shock and Vibration SAEJ1455
ESD CE, GCF, eMark

OBD DATA EXTRACTION

Detection Automatic detection of vehicle interface services

Extraction Transmission of standard OBD-II codes, plus manufacturer specific codes which are made available by the embedded OBD firmware stack

Scripts Download of vehicle specific diagnostic scripts dependent on vehicle model variant

INTERFACE STANDARDS

Bluetooth Bluetooth 4.0 Dual Mode (optional fit)

OBDII Interface J1850 PWM, J1850 VPW, ISO-9141-2, ISO-14230, KWP 2000, ISO-15765 CAN

PHYSICAL/DESIGN

Dimensions 1.5 x 2.5 x 0.98" (43 x 64 x 25 mm)
Weight 1.83 oz. (52 g) (w/ battery)
Enclosure 1.83 oz. (52 g) (w/ battery)