



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	AWS 1700 (B4)/700 (B13) MHz
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Global Variant I

HSPA/UMTS	800 (VI)/850 (V)/900 (VIII)/1800 (III)/1900 (II) MHz
GSM/GPRS	850/900/1800/1900 MHz

Global Variant II

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

SATELLITE LOCATION (GNSS)

Constellation Support	Hybrid GPS, GLONASS, SBAS Engine (WAAS, EGNOS, MSAS)
Channels	55 Channel
Tracking Sensitivity	-167 dBm
Acquisition Sensitivity	-156 dBm (hot start) -148 dBm (cold start)
Location Accuracy	~2.0m CEP Open Sky (SBAS 24 hours static)
Anti-jamming	
AGPS Location Assistance Capable	

COMPREHENSIVE I/O

Ignition Inputs	1 (fixed bias)
Digital Inputs	2 (high/low bias selectable 0-30 VDC)
Digital Outputs	3 (open collector relay 150mA)
Analog Inputs	1 external ADC input
Accelerometer	Built in, triple-axis (driver behavior, impact detection, motion sensing, tilt detection)
Serial Interface	1 TTL port
1-Wire Interface	2 (driver ID, temperature sense)
Status LEDs	2 (GPS, cellular)

EMBEDDED INTELLIGENCE ENGINE

PEG™ Update device functionality or develop new on the edge applications.

ELECTRICAL

Operating voltage	12/24 VDC Vehicle Systems 9-30 VDC (start-up, operating) 7-32 VDC (momentary)
Power Consumption	Typical 4mA @ 12V (deep sleep) Typical 10mA @ 12V (sleep on network w/ SMS) Typical 20mA @ 12V (sleep on network w/ GPRS) Typical 70mA @ 12V (active tracking)

BATTERY PACK

Battery Capacity	Up to 5200 mAh
Battery Technology	Lithium-ion
Charging Temperature	0° to +45° C

ENVIROMENTAL

Temperature	-30° to +60° C (connected to primary power) -20° to +60° C (operating on internal battery) -20° to +25° C ≤ 6 months (long term storage with battery)
Humidity	95% RH @ 50° C non-condensing
Shock and Vibration	U.S. Military Standards 202G, SAEJ1455
ESD	SAE J1113-13 (4 KV Limit)
Ingress Protection Rating	IP66

PHYSICAL/DESIGN

Dimensions	4.5 x 3.2 x 1.6" (114 x 80 x 39mm)
Weight	8.11 oz. (230g)

CONNECTORS & SIM ACCESS

Power, I/O	12 Wire Captive Harness
SIM Access	Internal (2FF SIM)

PRODUCT OPTIONS

Customized hardware and software development.

CERTIFICATIONS

FCC, CE, IC, PTCRB, RoHS

DEVICE MANAGMENT

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