

## IoT Series

Portable and Dedicated Hardware

8 Ah

UP TO  
**4 YEARS**

**4290**

Up to 4-Year asset tracker with a non-rechargeable battery

Installation

**50%**

Costs

No longer will you need to pay for harnesses to connect to the vehicle's power or professional installers. The 4290 Series can easily be installed at several key locations in the vehicle that provides easy, secure, and fast access. With the optional slide-on magnet, you are now able to take full advantage of the IP67 weather rating of the 4290 series by mounting the device to external locations of the asset or vehicle.

2"



1.2"

3.6"

### C4 Technology

Customer Controlled  
Cloud Configurable

Customer

**100%**

Satisfaction

Vehicle manufacturers continue to make accessing power within the vehicle troublesome or even open you to possible exposure to triggering a vehicle warning light. No wires, No problem. No longer will you get the dreaded call that a vehicle in your fleet triggered a warning light. No wires mean a clean efficient installation that will drastically increase the performance of your fleets.

**Certified Carriers:** verizon<sup>✓</sup> AT&T<sup>Ⓢ</sup> T-Mobile<sup>\*</sup> uscellular<sup>\*\*</sup>

**FREE middleware solutions:** Custom device configurations and OTA

### Key Features:

- LTE Cat-M1
- SMS
- TCP/UDP
- Battery level reporting
- Extremely Low Power Consumption
- Configurable Reporting Intervals
- Alerts
  - Low Battery Shock/Collision Trip Start/End
- Built-in 3-axis accelerometer
- Secure Switch
- GNSS: GPS, GLONASS
- IP67
- AES128 Encryption
- 2-year limited warranty (see website for further details)

Cat-M1

4G

### Options:

**19 Ah Battery**

Up to 7 Years, (4290L)

### Supply Chain:

Manufactured at ISO-9001 facilities at U.S.A's preferred electronic partner, South Korea. All orders are flown in to ensure the fastest delivery times to our customers or our California warehouse facility.

## Accessories:



4290 shown with the magnetic mount accessory

### SACS-101425

#### Screw Mount

Snap-on mount with screw mounting holes



### SPBA-114490

#### 8Ah Battery

Replacement battery with 3-pin connector



### SSAS-214290

#### Magnetic Mount

Snap-on mount with optional use screw-mounting holes



SIM Card Holder	<b>Size : Nano/4FF</b>
Network Frequency	Module's Band Capability : B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66/B85 Current PTCRB Certified Bands: B2/B4/B5/B12/B13
Power	Power Class 5 (21 dBm) for LTE category M1
Battery	3.6V, <b>8 Ah</b> , Lithium Thionyl Chloride (Li-SOCL2)
Motion sensor	Integrated 3-Axis Accelerometer with 16-bit resolution
Power Consumption	Active mode: 20 - ~76mA Deep Sleep mode: ~4 µA
Temperature Range	-35C to 75C
LED Indicator	4 LEDs indicating On/Off, GPS Status, Cellular Status
Data Transmission : Packet	Download Maximum : 588 kbps
Switched Data Rates	Upload Maximum : 1119 kbps
Dimensions	92 x 52 x <b>31 mm</b> (3.6 x 2.0 x <b>1.2 in</b> )
Weight	<b>118 g</b> (0.26 lbs)
Certifications	FCC, PTCRB, IC, CE
GNSS & Cellular Module	Quectel BG95-M1 GPS or GLONASS, supports standard NMEA-0183 protocol LTE-FDD Cat- M1, 1.4Mhz bandwidth, SMS, TCP/UDP
Update Rate	1Hz
Position Accuracy	CEP-50%: < 2.5M radius Assuming ideal conditions (open sky-view, not heavy urban or mountain terrain)
GNSS Acquisition	Cold Starts < 35s, warm start <30s, Hot start , <2s
GNSS Sensitivity	Cold Starts : -146 dBm, Reacquisition: -157 dBm, Tracking: -157dBm
Master carton size (outer)	600 (W) x 360 (L) x 160(H) mm, (23.6 x 14.2 x 6.3 in)
Quantity per master carton	50
Color	Black
Warranty	2 Years

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