






Suntech

ST4290L

-  Portable, dedicated GPS asset tracking
-  Up to 7-year battery life
-  Durable IP67 waterproof enclosure
-  Advanced motion detection
-  Easy and secure magnetic mount



Designed for tracking non-powered assets requiring long battery life, the ST4290L is a battery-operated asset tracker with a compact, IP67-rated case and magnetic snap-on mount. When paired with the IntelliHub fleet management platform, the device is the perfect choice for uninterrupted GPS location monitoring of trailers, containers, dumpsters, or heavy equipment.

Network Connectivity

Using LTE Cat-M1 connectivity, the 4290L provides long-term tracking and monitoring of your critical assets with highly accurate GPS location data.

Magnetic Installation

The compact, IP67-rated case features an optional magnetic mount, allowing the device to quickly and easily attach in discrete locations such as underneath a storage container.

Advanced Motion Detection

The integrated 3-axis accelerometer provides advanced motion detection to improve asset security by identifying when an asset is on the move.

Exceptional Battery Life

The long-lasting, 19Ah battery provides up to seven years of power without needing replacement, making it ideal for equipment in remote locations without regular maintenance cycles.

Specification

ST 4290L

NETWORK

LTE Cat-M1 Support	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66/B85
PTCRB Certified Bands	B2/B4/B5/B12/B13
Protocols Supported	TCP/UDP, SMS
Data Transmission	Download Max 588 kbps, Upload Max 1119 kbps
Power Class	Power Class 5 (21 dBm) for LTE Cat-M1

ENVIRONMENT

Operating Temp.	-30 °C ~ +85 °C
Water/Dust	IP67-rated
Mounting	Built for secure and external mounting on vehicles/assets

POSITIONING

GNSS	GPS and GLONASS
Accuracy	<2.5 meters (in ideal conditions)
Acquisition Time	Cold start: <35s, Warm start: <30s, Hot start: <2s
GNSS Sensitivity	Cold start: -146 dBm, Reacquisition: -157 dBm, Tracking: -157 dBm

HARDWARE

GNSS MODULE	Quectel BG95-M1
SIM Card Holder	Nano/4FF size
Accelerometer	3-axis accelerometer with 16-bit resolution
LED Indicators	Indicators for power, GPS status, cellular status
Encryption	AES128 encryption
Accessories	Magnetic Mount, Screw Mount, 19Ah Battery Replacement

POWER

Battery Type	19 Ah Lithium Thionyl Chloride (Li-SOCl ₂) non-rechargeable
Battery Life	Up to 7 years (depending on usage)
Power Consumption	Active 20 - 76 mA, Deep Sleep ~4 µA

PHYSICAL

Dimensions (mm)	92 x 52 x 45 mm (3.6 x 2.0 x 1.8 in)
Weight (kg)	169 grams (0.37 lbs)