



# THE SVR2500

The **SVR2500** can be mounted anywhere on your vehicle or asset, thanks to its sealed, rugged construction. Whether you have light or heavy-duty vehicles and assets, the **SVR2500**'s wide input power range and integrated vehicle bus interface make it the right solution for extreme conditions.

## KEY FEATURES

Environmentally sealed (IP67)

Rechargeable battery can power unit up to one year

3-axis accelerometer for motion detection and driver behavior monitoring

Integrated LTE CAT M or LTE CAT 1 cellular with 3G fallback

Optional Bluetooth and vehicle bus (light duty and heavy duty) and 1-Wire interfaces

Input power range 6 – 90 VDC

## MARKET APPLICATIONS

Heavy-duty construction equipment tracking

Commercial and industrial vehicles

Semi-trailer tracking

Single-purpose trailers

Outdoor generators

High-value assets





# SPECIFICATIONS

## CELLULAR TECHNOLOGY

LTE CAT M1 (2G FALLBACK)	Bands 2, 4, 12, 13
LTE CAT 1 (3G FALLBACK)	Bands 1,2,4,5,12,13,19,21,25,26 Bands 2,5 (3G)

## CASE

DIMENSIONS	83mm x 122.6mm x 39mm includes top and bottom mounting flanges, excludes cable and connector
WEIGHT	272g

## ENVIRONMENT

STORAGE TEMP	-40°C to 85°C
OPERATING TEMP	-30°C to 80°C while connected to main power -20°C to 60°C on backup battery
RELATIVE HUMIDITY	Up to 90% non-condensing
IP RATING	IP67
DROP TESTING	1 meter, 6 sides
VEHICLE VIBRATION	SAE J1455
VEHICLE TRANSIENT SURGES	ISO 7637 - 12/24 VDC
ESD	1-second pulses ±4kV direct, ±8kV indirect
MECHANICAL SHOCK	EN 60068-2-6, 27, 29
TEMPERATURE & HUMIDITY	EN60068-2-14, 30

## USER INTERFACE

STATUS LEDS	3 - Cellular (amber), GPS (green), Bluetooth (blue)
ALERT(S)	Internal audible buzzer (optional)

## ACCELEROMETER

16G MEMS 3-axis accelerometer

Specifications are subject to change.  
Please see your SVR Tracking contact for more details.

## REGULATORY APPROVALS/CERTIFICATION

FCC, IC, CE, eMark, PTCRB, GCF, SAR, RoHS  
compliance applicable carriers

## GPS TECHNOLOGY

LOCATION TECHNOLOGY	56 Channel GPS (with SBAS)
TRACKING SENSITIVITY	-162 dBm
LOCATION ACCURACY (OPEN SKY)	± 2.5m (CEP)
COLD/HOT START ACQUISITION	29 seconds/1 second

## I/O & CONNECTORS

DIGITAL INPUTS	3-2 fixed bias low, 1 programmable bias
DIGITAL OUTPUTS	2 general purpose open collector (200mA)
ANALOG INPUTS	1 external ADC input (0-60 VDC)
SERIAL INTERFACE(S)	1 RS232 interface with power control 1-Wire bus interface (Dallas Semiconductor)
I/O CONNECTORS	8-wire captured sealed (limited I/O options), 12-wire captured sealed (inc. Bluetooth)

## VEHICLE INTERFACE

ISO-15765 standard CAN, J1939 CAN protocol, CANopen option

## OPTIONAL FEATURES

Bluetooth, RS485, ModBus capable

## POWER

BUILT-IN BATTERY	5200 mAh rechargeable Li-Ion battery
INPUT POWER RANGE	6-90 VDC (12/24/48/72V vehicles)
TRACKING MODE	<70mA average @ 12V
IDLE MODE	<14mA average @ 12V
NORMAL SLEEP MODE	<250µA average @ 12V

## BLUETOOTH/WIFI/NFC

BLUETOOTH	3v4.2/5.0 BLE with internal antenna (optional)
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