

GPSI-4000 GPS Tracking Device

Ideal use-case for this device: Heavy-Duty Vehicles and e-Logs



The GPSI-4000 is an advanced GPS tracker that supports more features than standard tracking devices, such as diagnostics and e-Logs. This device has several installation options, including a simple three-wire connection, and is typically mounted in the dash for a concealed installation.

Key Features

- High sensitivity GPS (-162 dBm)
- Up to 20,000 buffered serial messages
- 1000 mAh back-up battery available
- Voltage monitoring and low battery notification
- Packet data (CDMA 1xRTT, GPRS, and HSPA) and SMS-based messaging
- 3-axis accelerometer for harsh braking, cornering, and acceleration reporting options

Options

- Driver ID available
- Temperature sensor available
- Panic button for emergency notification available
- J1708/J1939 truck ECU harnesses for vehicle integration
- Up to 4 inputs (ignition and 3 additional voltage-based inputs)

GPSI-4000 Specifications

GPS

Location Technology	GPS
Enhancement Technology	SBAS: WAAS, EGNOS, MSAS
Receiver Type	56 channels (with SBAS)
Tracking Sensitivity	-162 dBm
Acquisition Sensitivity	-148 dBm
Location Accuracy	2.0 m
AGPS capable	

CELLULAR

Data Support	SMS, GPRS, CDMA 1xRTT or HSPA packet data	
Operating Bands	MHz	
GSM/GPRS	850/900/1800/1900	
CDMA/1xRTT	850/1800	
HSPA/UMTS	800(VI)/850(V)/900(VII)/1700(IV)/1900(II)/2100(I)	
Transmitter Power		
GSM/GPRS	850/900	32.5 dBm
	1800/1900	29.3 dBm
CDMA/1xRTT	850	24 dBm
	1900	23 dBm
HSPA/UMTS	(all bands)	23 dBm
HSPA Data Rates	5.6 Mbps upload	
	7.2 Mbps download	
HSPA Fallback	EDGE/GPRS/GSM quad band	
	EDGE MCS1-MCS9	
	3GPP Release 6	

ENVIRONMENTAL

Temperature	-30° to +75° C (connected to primary power) -40° to +85° C (storage)
Humidity	95%RH at 50° C non-condensing
Shock and Vibration	U.S. Military Standard 202 G and 810 G, SAE J1455
EMC/EMI	SAE J1113

ELECTRICAL

Operating Voltage	9-30 VDC (start up, operating) 7-32 VDC (momentary)
Power Consumption	4 mA at 12 VDC (sleep) 70 mA at 12 VDC (active tracking)
Backup Battery	Lithium-Ion; Up to 1000mAh

PHYSICAL

Dimensions	4.3" x 3.2" x 0.86" (110 x 81 x 22 mm)
Weight	0.3 lbs (133 g)

MOUNTING

Tie wrap

CERTIFICATIONS

Fully certified FCC, CE, IC, PTCRB, Applicable Carriers