W2-ST01

SLIM GPS VEHICLE TRACKER

Basic & most economical vehicle tracker



Compact tracking for Indian logistics and fleet operations.

W2-ST01 combines GPS and GLONASS positioning with a 3-axis accelerometer for motion detection and odometer calculation. Built-in GSM and GPS antennas simplify installation.

RFID accessories: The supplied product image shows an RFID reader, two tags and wiring harnesses. RFID compatibility and package contents are subject to confirmation.

KEY FEATURES

• Heading- and time-based data acquisition; internal odometer.

• Autonomous horizontal position accuracy <2.5 m CEP.

• Ignition detection, safe immobilization and main battery disconnection alert.

• Overspeed alerts, square geofence, GPS-based harsh braking and acceleration (vehicle-type programmable).

• Bluetooth, SMS and server-based command configuration; compressed data format.

• Over-the-air firmware upgrade and offline storage for 2,000 records.

W2TRACK FLEET MANAGEMENT

Mileage summaries, driver-by-day and trip-wise reports, mobile access, geofencing and remote immobilization. On-field support and L3 device repair support in Mumbai.

Warranty & installation: One-year limited warranty and PAN India installation service.

For more information or Sales related queries, please contact W2track Team & visit us at www.w2track.com

W2-ST01

TECHNICAL SPECIFICATIONS

Cellular communication	Quad-band GSM 850/900/1800/1900 MHz
Data interface / antennas	TCP/IP on GPRS; built-in GSM and GPS antennas
GNSS / channels	GPS and GLONASS; tracking: 33; acquisition: 99
Time to first fix	Cold <35 s; warm <30 s; hot <1 s
Accuracy / sensitivity	Position <2.5 m CEP; acceleration <0.1 m/s²; acquisition -149 dBm; tracking -167 dBm
Speed / motion sensors	GNSS speed sensor; 3-axis accelerometer
Power input	7–40 V DC with surge protection
Current consumption at 12 V	60 mA standby; 98 mA while sending data
Internal battery	150 mAh / 3.7 V Li-Po
Data security / formats	SSL; header-based authentication; CSV, JSON, Binary
LED indication	3 indicators specified; GPS (red), network GSM/data transfer (blue) listed
Memory / FOTA	2,000 offline records; FOTA configuration available
Alerts (SMS, TCP, WEB, BT)	GPS first fix, overspeed, ignition, harsh braking/acceleration, immobilizer status
Operating environment	-20 °C to +65 °C; 95% non-condensing humidity
Ignition input	1; 0–30 V DC
Digital output / immobilizer	1 digital output; 12/24 V immobilizer relay driver built in
Dimensions / weight	85 × 47 × 17.5 (L × W × H; unit not stated); 92 g
Enclosure	ABS plastic casing; IP54
Standard package	W2-ST01 device; 4-wire harness cable

Specifications refer to the tracker as described in the supplied W2-ST01 technical document. RFID reader frequency, interface and tag specifications are not stated.

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