Government Compliance Vehicle Tracker



The W2-AT03 is described in the supplied product specification as an AIS 140 compliant vehicle tracker with GPS and IRNSS (NavIC), designed for fleet management and Indian regulatory applications. It incorporates accelerometer and gyroscope sensing, main-power removal/tamper alerts and an embedded SIM for communication to multiple IP servers.

Communication, navigation & interfaces

Cellular communication	Quad-band GSM; GPRS multi-slot class 12/10
Data interface	TCP/IP over GPRS
Short-range communication	Bluetooth 4.0
GNSS technology	GPS and IRNSS (NavIC) multi-constellation
Tracking sensitivity	-160 dBm
Location accuracy	2.5 m CEP @ -130 dBm
Antenna	Internal / embedded
Input voltage	9–32 V DC
Sleep-mode current	Less than 5 mA
Digital inputs / outputs	4 inputs / 2 outputs
Analog inputs / RS232	2 analog inputs / 1 serial port
SIM	eSIM (MFF2)

AIS 140 compliance and certification status should be independently verified against the applicable approval documentation.

Additional technical specifications

Internal storage	40,000 records
Driving behaviour	Accelerometer and gyroscope: orientation, acceleration and movement changes
Configuration	USB / SMS / TCP/IP / Bluetooth
USB	USB 2.0, configuration only
OTA / FOTA	Via OEM maintenance server
Remote health checking	SMS / TCP commands
LED status	GNSS, Process, Cellular, Power
Internal battery	850 mAh; backup up to 6 hours*
Operating / storage temperature	-25 to +85 °C / -40 to +85 °C
Temperature endurance	ISO 16750-4, Clause 5.1.2.2
Thermal / mechanical shock	ISO 16750-4 / ISO 16750-3
Electrical load dump	ISO 7637-2 Pulse 5a, 5b
EMI / EMC	AIS-004
Vibration	IS:9000-8
Dimensions (L x W x H)	133 x 71 x 34 mm
Weight	206 g
Ingress protection	IP67
Protection alerts	Main power disconnection and case-open/tamper detection

*Battery backup duration may vary with device configuration, usage and battery condition.

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

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