ATLANTA
Innovative IOT Solutions

WP-40G

Multiple I/O
Digital Input: 4, Digital Output: 2*, RS232: 1, Analog Input: 2, Pulse Counter: 1, 1-Wire: 1

GNSS & GPS Antenna
Internal High Gain Antenna

Battery
1000mAh Li-Po 3.7V

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Memory
16GB SD Card & 4MB Flash

Voltage Range
8-36V DC

BAND
4G Band FDD: B1/B3/B7/B8/B20/B28, TDD: B38/B40/B41, 2G Bands: Dual Band (900/ 1800MHz)

WP-40G is an advanced vehicle tracker for automobiles and Heavy Commercial Vehicles (HCV); It is significantly designed to provide tracking accuracy of fewer than three meters and enabled with high again active antennas all sealed with robust IP67 casing to make it durable for harsh conditions. Abled with multiple Digital Inputs, Digital Outputs, Analog Inputs, Serial Ports, and 1-Wire communication makes it capable of connecting with multiple peripherals.

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Key Features

I/Os	Digital Input: 4, Digital Output: 2*, RS232: 1, Analog Input: 2, Pulse Counter: 1, 1-Wire: 1
GNSS & LTE Antenna	Internal High Gain Antenna
Indicators	3 LED's (Charging, GSM, LTE)
SIM	Dual Micro SIM
Memory	16GB SD Card & 4MB Flash
Ignition Sensing	Yes
Reverse Polarity Protection without Fuse	Yes
Tampering Alert	Yes

Power

Voltage Range	8-36V DC
Battery	1000mAh Li-Po 3.7V

Navigation

GNSS	GPS, GLONASS, QZSS, BeiDou, GAGAN
Channels	22 Tracking / 66 Acquisition Channel
Sensitivity	-165dBm
Acceleration Accuracy	0.1 m/s^2
Position Accuracy	<10 m
Velocity Accuracy	0.1 m/s
Hot Start	< 1sec
Warm Start	< 25sec
Cold Start	< 31sec

Cellular Network

Band	4G Bands FDD: B1/ B3/ B7/ B8/ B20/ B28, TDD: B38/ B40/ B41 2G Bands: Dual Band (900/ 1800MHz)
RF Power	Type B, Class 12 Max. 85.6 Kbps (Uplink/Downlink)
Data	Supports GPRS Multi-Slot Class 12
Coding Scheme	CS 1, 2, 3, 4 Max. 85.6 Kbps (DL), Max. 85.6 Kbps (UL)
Communication Protocol	TCP/ UDP/ PPP/ NTP/ NITZ/ FTP/ HTTP/ PING/ CMUX/ HTTPS/ FTPSSSL/ FILE/ MQTT/ MMS /SMTP/ SMTPS.

Operating Environment

Working Current	Sleep mode < 5mA, Active mode < 125mA
Operating Temperature	-20 °C to +60 °C (With Battery), -30 °C to +80 °C (Without Battery)
Humidity	5% to 95% non-condensing at +40°C
Ingress Protection Rating	IP67

*Optional

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