

AV300 SPECIFICATIONS

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The AV300 delivers mobile intelligence right to your computer or mobile device. Find out how your fleet is performing 24/7 with this flexible and competitively priced device. The AV300's small size, ease of installation and superior design make it a smart fleet choice.



GIVE YOURSELF AN EDGE WITH OUR COMPETITIVE PRICE AND TECHNOLOGY

The AV300 features a small size, superior design, OBD-II interface and a 3-axis accelerometer. These features enable the AV300 to collect vehicle diagnostic, speeding, braking, cornering, and acceleration data. Its superior design eliminates the need for costly installers. This device truly is plug-and-play.

OVER-THE-AIR SERVICEABILITY

The AV300 uses industry leading over-the-air technology to wirelessly manage the device. Firmware, configuration parameters, and post-installation upgrades can all be handled effortlessly and remotely. You can monitor vehicle health and device status across your fleet to quickly identify issues before they become expensive problems.

FLEETREACH® MOBILE*

Access intelligent reporting and information about your fleet 24/7 using FleetReach® Mobile. Now available on all major tablets and smartphones.



ADVANTAGES OF THE AV300

- > Excellent GPS and cellular quality for superior coverage in weak signal areas
- > Built-in cellular and GPS antenna for easy installation
- > Built-in OBD-II connector reads vehicle bus data
- > Built-in accelerometer for driver behaviour capabilities and impact detection
- > Pre-impact data capture capabilities for auditing the conditions around impact events
- > Power sleep modes minimize vehicle battery consumption

* FleetReach® is a registered trademark of AutoVision Wireless Inc.

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GENERAL SPECIFICATIONS

Communication Modes

- > GPRS/EDGE/HSPA and CDMA

Operating Voltage

- > 12 volt vehicle OBDII port

GPS SPECIFICATIONS

Location Technology

- > 50-channel GPS (with SBAS)
- > SBAS: WAAS, EGNOS, MSAS, GAGAN

Location Accuracy

- > 2.0 meter CEP (with SBAS)

CELLULAR SPECIFICATIONS

GSM/GPRS Quad Band

CDMA Dual Band

HSPA/UMTS Dual Band

GSM/GPRS/EDGE Fallback

COMPREHENSIVE I/O

Inputs

- > OBD-II input: J1850 PWM, J1850, VPW, ISO-9141-2, ISO-14230, KWP2000, ISO-15765, CAN

Status LEDs

- > GPS, OBD-II and Cellular

CERTIFICATIONS

Fully certified FCC, CE, IC, PTCRB

ENVIRONMENTAL SPECIFICATIONS

Temperature

- > -30° to +75° C (operating)
- > -40° to +85° C (storage)

Humidity

- > 95%RH at 50°C non-condensing

Shock and Vibration

- > SAE J1455

EMC/EMI

- > SAE J1113; FCC-Part 15b;
- > Industry Canada

RoHS Compliant

ELECTRICAL SPECIFICATIONS

Operating Voltage

- > 7-20 VDC

Power Consumption

- > 3 mA at 12 V (deep sleep)
- > 11 mA at 12 V (sleep on network)
- > 140 mA at 12 V (active)

PHYSICAL SPECIFICATIONS

Dimensions

- > 1.7 X 2.5 X 1", (43 X 64 X 25 mm)

Weight

- > 1.8 oz, (51 g)

CONNECTORS, SIM ACCESS

SIM Access

- > Internal

KEY FEATURES

- > OBD-II interface
- > GPRS, CDMA, or HSPA Internal cellular and GPS antennas
- > Super sensitive GPS (-162 dBm tracking)
- > Ultra-low power sleep mode (<3mA)
- > 3-axis accelerometer for driver behaviour and impact detection
- > Voltage monitoring and low battery notification
- > 20,000 buffered messages
- > Automatic, over-the-air configuration on power-up
Over-the-air firmware download
- > Web-based device management

DEVELOPMENT SUPPORT OPTIONS

- > Customized hardware and software development available on request