Intelligent Vehicle Gateway

Technical Specifications Sheet: IVG

Omnitracs Intelligent Vehicle Gateway (IVG) is a simplified and scalable next-generation telematics solution designed to support the Omnitracs suite of best-in-class applications. Regardless of whether you're completely new to vehicle telematics, or a telematics-savvy fleet managing growth, IVG leverages and expands upon Omnitracs' success by providing a single application-enabling platform that reliably scales for the future.

Specifications

Voice Recognition

Omnitracs Intelligent Voice Interface (IVI) allows drivers to access high-use features by speaking voice commands, enabling hands-free access to key information.

Display

- 8" Diagonal resistive touchscreen with light sensor for auto-dim
- 1024x600 resolution

Applications Processor

- Industrial Grade, Multi-Core ARM Cortex A9, 800MHz
- Separate vehicle I/O processor

RAM Memory

1GB DDR RAM 528MHz

Storage Memory

Up to 32 GB available through micro SD port

Operating System

Windows Embedded Compact (WEC) 2013; HTML5 compliant browser

Physical Dimensions

8.8"W x 6.8"H x 1.5"D

Weight

2.25 lbs

Operating Temperature

- -30° C to 70° C (-22° F to 158° F) operating
- -40° C to 85° C (-40° F to 185° F) storage

Power

- +6 to +18 Volts DC
- 1.5 Amp max at 12 Volts DC
- < 1.0 Amp nominal
- ≃ 10 mA while asleep

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Specifications, continued

Connection Ports

- Two USB Host Type A ports
- One Secure Digital micro port for storage expansion
- Spare RS232 port (reserve-cable upgrade required)

Communications

- 3G EVDO with fallback to CDMA
- 4G HSPA with fallback to W-CDMA, GPRS
- Antenna integrated (no separate installation required)
- 802.11b/g/n access point and client mode support
- Bluetooth 3.0, power class 1
- Mobile hotspot ready (software update required)

I/O

Dedicated

- Tethered Trailertracs, Panic Button, Tamper Detect

General Purpose

- Two general purpose digital inputs (PTO, spare), one output (configurable as high speed CAN or relay output driver)

Vehicle Interface

Direct connection to vehicle diagnostic connector for:

- Vehicle bus: J1708, J1939 high speed CAN (500 kbps), J1939 low speed CAN (250 kbps)
- Ignition sense

Audio

Two front facing built in 3 Watt speakers with dynamic audio range

Microphone

Built-in microphone (for Intelligent Voice Interface feature)

Mounting

IVG ships with a ram mount RAM-B-101U and a backing plate. This include two 2.5" round bases with 1" balls and a 3" arm.

Warranty

One year standard warranty

About Omnitracs, LLC

Omnitracs, LLC is a global pioneer of fleet management, routing and predictive analytics solutions for private and for-hire fleets. Omnitracs' nearly 1,000 employees deliver software-as-a-service-based solutions to help more than 50,000 private and for-hire fleet customers manage nearly 1,500,000 mobile assets in more than 70 countries. The company pioneered the use of commercial vehicle telematics over 25 years ago and serves today as a powerhouse of innovative, intuitive technologies. Omnitracs transforms the transportation industry through technology and insight, featuring best-in-class solutions for compliance, safety and security, productivity, telematics and tracking, transportation management (TMS), planning and delivery, data and analytics, and professional services.

Learn how you can use our applications, platforms, and services to reduce costs, increase profitability, and stay competitive. Visit www.omnitracs.com and let us show you how you can save time and money.

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