Everyday Solutions®

EveryPoint® National – GSM | Cellular-based GPS Hardware

Advanced **GPS tracking hardware** based on the Global System for Mobile (GSM) communications captures precise fleet performance at the **lowest upfront cost**.

CHALLENGE

To provide an affordable way to track school buses and other district vehicles and maximize fleet performance no matter where the vehicles travel.

> *" EveryPoint National GSM give me the **flexibility** to track my fleet regardless of where they go across the nation and I get **powerful functionality** at an **affordable price**."*

SOLUTION

Deploy EveryPoint National - GSM, a powerful GPS tracking hardware device.

KEY CAPABILITIES:

Monitoring Intelligence
Each unit is embedded with an on-board alert engine called the Programmable Event Generator (PEG™), which monitors and reacts to vehicle conditions based on pre-determined rules or thresholds.

Guaranteed Messaging
The unit logs up to 10,000 locations and alerts when a vehicle is outside of network coverage. That's almost 3 weeks worth of data. In addition, its acknowledgement scheme essentially guarantees that critical information is captured and delivered to the end user.

Over-the-Air Programmability
The transceiver is over-the-air programmable so that firmware, configuration parameters and PEG™ rules can easily be updated without a direct-cable connection keeping vehicles on the road and outside of service yards.

Advanced Communications Algorithms
Proprietary algorithms are used to handle message acknowledgements, minimize overhead and ensure priority message handing.

Everyday Solutions, The Only Complete
Student Transportation Information Solution

Every **Bus** Counts!
Every **Student** Counts!
Every **Dollar** Counts!

Technical Specifications

Location Technology
16 Channel GPS (with WAAS)
Location Accuracy
2 Meter CEP (with SA off)
Communication Modes
Supports GRPS packet data and SMS

Environmental Specifications

Operating temperature
-30° C to 65° C
Storage Temperature
-40° C to 85° C
Humidity
95% RH @ 50° C non-condensing
Shock and Vibration
U.S. Military Standard
202G and 810F, SAE J1455
EMC/EMI
SAE J1113

Connectors

SMC (Cellular Antenna)
SMA (GPS Antenna)
8 pin Molex (power, ignition, I/O
16 Pin Molex (for optional adapter cables

Comprehensive I/O

Ignition input
Relay driver output (150mA)
2 Inputs, high/low selectable
2 programmable I/O
input, high/low selectable
output, relay driver (150 mA)
Vehicle voltage A/D input
2 built-in LEDs for cellular & GPS status

Physical Specifications

Dimensions
4.8" (L) x 3.3" (W) x 1.1" (H)
Weight
9 ounces

Electrical Specifications

Power source
9 – 32V DC
Power Consumption (Active)
< 500 mA at 12V
Power Consumption (Sleep)
< 10 mA

Peripheral Device Support

User data (barcode readers, etc)
IP access via PPP/SLIP (laptops, etc)
NMEA GPS output (in vehicle)

BENEFITS:

- Powerful cellular-driven GPS vehicle tracking
- Low-cost data GSM communications support
- Integration with the Everyday Solutions GPS-driven applications suite.

PREREQUISITES: AT&T Data Communications Plan

COMPONENTS: 604-10075 EveryPoint® - National Kit GSM

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