



Everyday Solutions®

# EveryPoint® National – CDMA | Cellular-based GPS Hardware

Advanced **GPS tracking hardware** based on CDMA 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.

## SOLUTION

Deploy EveryPoint National - CDMA, 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™

*“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**.”*

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.

Transmission update rates are configurable and start at every 10 seconds!



# 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 EVDO-A and 1xRTT 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 CDMA communications support
- Integration with the Everyday Solutions GPS-driven applications suite.

**PREREQUISITES:** Sprint Data Communications Plan

**COMPONENTS:** 604-10078 EveryPoint® - National Kit CX