The Fleetpulse Vehicle Interface Unit (VIU6)

BSM Wireless's In-Vehicle Hardware collects key operational data from a vehicle's GPS receivers, engine control units (ECU) and auxiliary equipment; allowing fleet operators to gather critical vehicle parameters, logistical data and vehicle location information in real-time to make ongoing improvements in fleet cost savings, efficiency, vehicle integrity and safety.

Collect Key Vehicle Operational Data in Real-Time

- **Gather Critical Engine Data and Vehicle Parameters**

Extract and generate alerts on critical engine data such as the activation of the check engine light (MIL) as well as vehicle parameters that exceed defined thresholds including fluid levels and temperatures, battery voltage and brake systems.

- **Capture Logistical Data**

Directly capture logistical data such as odometer readings, engine hours, power take off (PTO) usage, driver behaviour and fuel consumption, then using the Fleetpulse OverVIU Information Manager, leverage this data to better manage safety, control fuel consumption and schedule preventative vehicle maintenance.

- **Multiple Wireless Communication Options**

Fleetpulse customers can choose between multiple wireless connectivity options to best satisfy coverage requirements and control airtime costs. Communication options include Wi-Fi, dedicated cellular modems and satellite.

Extensive Vehicle Support & Communication Options

The Fleetpulse system includes the most comprehensive in-vehicle data collection device available, providing connectivity to light and heavy duty vehicles of all makes and models and associated auxiliary devices. Intelligent data storage algorithms within the Fleetpulse VIU6 allow for storage of approximately one month of data depending on specific criteria.

Small, Compact and Easy to Install

Fleetpulse VIU6 is a small, self-contained unit and connects directly to the diagnostic port of light or heavy duty vehicles. It installs within a vehicle's passenger compartment in minutes and does not compromise vehicle wiring integrity.

bsmwireless VIU6 Technical Specifications

Rapidinstall
No-cut installation option
Installs in 10 minutes!

For More Information

To find out more about how BSM Wireless hardware solutions can help you lower your fleet costs, boost fleet operational efficiency and improve vehicle and driver safety, visit www.bsmwireless.com or call us at 1-866-768-4771.

Physical	
Operating Temperature:	-40F to +185F (-40C to + 85 C)
Primary Power:	12VDC 70mA average
Power in 'low power' mode:	10mA
Backup Power:	Internal battery
Data Storage:	Up to 300 hours
Time and Date:	Accurate up to +/- 2 seconds per dav
External Interface:	Serial – DB15 male
OBDII/J-Bus Cable Length:	Approximately three feet (one meter)
Indicator Lamp:	LED status for WiFi/ECU

Data-Bus Compatability	
Supported Protocols:	J1850-41.6, J1850-10.4, ISO9141, KWP2000 (ISO14320), CAN, SAE J1587/1939/1708

Wireless	
Wireless Standard:	802.11b/g
Range:	Up to 300 feet
Security	WEP/WPA/WPA2

Data Parameters	
Vehicle Speed Sampling Interval:	0.5 seconds
Other Sampling Intervals:	5, 10, 60 seconds
Supported Data Types:	US, metric, custom
Calculated Data:	Hard and extreme braking, acceleration, idling, fuel consumption

Data Type (Examples)	
Engine Speed:	0-16.384 rpm
Throttle Position:	0-100 percent
Coolant Temperature:	-40F to +420F (-40C to +215C)
Engine Load:	0 to 100 percent
Air Flow Rate:	0 to 8714 ib/min
02 Sensor:	0 to 1.275 V
Battery Voltage:	6 to 16V (officially running & cranking)
Short & Long Term Fuel Trim:	- 100 percent to 99.22 percent
Odometer:	Miles or kilometers