Wireless neoVI

Remote Data Logging & Fleet Management Server

Wireless Data Logging Made Easy

• Capture and download data files remotely
• Activate, deactivate, and re-program loggers remotely
• Operate on Intrepid’s server or independently on your own server (Linux or Windows)
• Post-process multiple sets of data remotely
• Fleet management features integrated to locate your test vehicles and more.

Start, Stop and Reconfigure Remotely

Wireless neoVI provides a simple interface to load new logging scripts, start and stop scripts, or erase scripts as needed. Load a logger or a group of loggers with a single script.

Gather Data Automatically

Using an auto-generated script from VehicleScape, the neoVI PLASMA sends data back to the Wireless neoVI website. Data is compressed before transmission to minimize data usage on your carrier of choice. Wireless neoVI decompresses the data and stores it according to its registered name (VIN number, test vehicle ID, etc.).

How it Works:

neoVI PLASMA/neoVI ION configured with Vehicle Spy

Vehicle Spy used to configure and test the logger setup.

Wireless neoVI Server

Fleet Management / Device Configuration / Data Archive

• Send setups to loggers
• Request to upload data
• Review fleet status (DTCs, Alerts, etc.)
• Data Archive (download data to PC)
  Compatible with INCA MDA, DIAdem, Matlab, etc.
• "On-Premises" or Intrepid servers

Internet or Intranet

GPS Data

Mobile or WIFI

neoVI PLASMA or neoVI ION

Vehicle Fleet Equipped with neoVI PLASMA or neoVI ION

CAN
LIN
FlexRay
MOST
XCP/CCP
Ethernet
ISO14229
GMLAN
J1939
Analog Inputs
Wireless neoVI

Automatically Extract and Export Data
Once the data has been received, Wireless neoVI extracts the logged data and exports it to the formats and reports required for the application. Data formats and reports include custom CSV files, industry-standard bus captures (VSB, CSV, LOG, ASC), industry-standard signal captures (MAT, MDF, DAT, CSV), and custom reports (PRN files from WinValid, Bus Query Reports).

Secure, Redundant, and Reliable
A major concern in our digital world is data security and reliability. The Wireless neoVI architecture is designed to be secure from end to end. All communication routes are secured with one of the two industry standard encryption protocols; Secure Socket Layer (SSL) or Transport Layer Security (TLS). From device-to-server and web browser-to-web portal your data is safeguarded at all times. (Our services are not physically reliant on one specific server. If one server fails, our system will seamlessly switch to another without interruption or “downtime”.)

User Configures Logger to Upload on Cell, WIFI, or Both

Live Data Signal Plotting
• Drag and drop signals onto graphs for live signal plots
• Up to 5 graphs can be created for multiple plots.
• Data Analysis online, within Wireless neoVI, using MDF files

Store Your Data on Intrepid’s Servers or “On-Premises”
You can store your data on Intrepid’s secure servers or on your own servers, located anywhere. It is completely up to you.