WIRELESS VEHICLE BUS ADAPTER

Wireless adapter installs in minutes without cab-cluttering cables to give Transportation Solution Providers access to vehicle bus data

Digi’s Wireless Vehicle Bus Adapter (WVA) is a rugged, compact plug-in device that provides easy access to vehicle data via standard Wi-Fi and web services. The WVA installs in minutes by connecting directly into the diagnostic port of the vehicle. Support for J1708 and J1939 standards allows the WVA to work with almost any fleet vehicle on the road today.

The WVA enables Transportation Solution Providers to reduce their development costs, have fastest time to market and expand their solution offering. Low-cost hardware plus a zero dollar installation cost allows TSPs to target medium and small fleets with their solution; something that has been cost prohibitive until now.

A web services API accelerates integration with existing applications. Vehicle data can be read, subscribed to, or have programmed alert levels. The WVA handles the J1708/J1939 protocols and delivers only the vehicle data your application needs. The WVA stays up-to-date with the latest J1939 standards, meaning an application does not need to change when the standard changes.

BENEFITS
- On-board J1939/J1708 message processing simplifies integration with applications
- Less than 5 minutes to install, uninstall or replace
- No cabling, no cluttering of the cab
- Supports emerging mobile devices: Android and iOS smartphones, tablets and OBCs
- Power management to minimize drain on vehicle battery
- Open architecture based on industry standards: Linux, REST APIs, Wi-Fi 802.11
- 3-year warranty on hardware
- Best-in-class tech support and integration services

APPLICATION EXAMPLE

WIRELESS VEHICLE BUS ADAPTER

RELATED PRODUCTS

Digi TransPort® WR44
Digi TransPort® WR44 R
Digi Remote Manager®
Accessories
## SPECIFICATIONS

**Wireless Vehicle Bus Adapter**

### GENERAL
- **MANAGEMENT**: WebUI, Digi Remote Manager
- **SOFTWARE**: REST web services
- **OPERATING SYSTEM**: Linux
- **SECURITY**: HTTPS, WPA2, Admin password
- **MEMORY**: Total: 128 MB Flash, 64 MB RAM; Available user space: 20 MB Flash
- **LEDS**: Power, SW defined
- **ANTENNA**: Internal

### MECHANICAL
- **DEVICE CONNECTOR**: 9-Pin Deutsch
- **DIMENSIONS (HEIGHT X DIAMETER)**: 2.33 in x 2.15 in (5.9 cm x 5.5 cm)
- **WEIGHT**: 0.26 lb (0.12 kg)

### WI-FI
- **802.11**: b/g/n
- **DATA RATE**: Up to 72.2 Mbps
- **TRANSMIT POWER**: 1 MB: 12.5 dBm; 54 MB: 12.25 dBm; 65 MB: 9.25 dBm
- **RECEIVER SENSITIVITY**: 1 MB: -91 dBm; 54 MB: -75 dBm; 65 MB: -71 dBm
- **MODES**: Access Point, Client and Dual Modes
- **WI-FI SECURITY**: WPA2

### WI-FI SECURITY
- **INTERFACES**
  - **USB**: Type A; Host mode only
  - **BUZZER**: Yes; SW defined
  - **ACCELEROMETER**: 3 Axis (2/4/8g selectable)
  - **VEHICLE BUS**: Dual J1939 (CAN) and J1708
  - **CAN BAUD RATES**: Up to 500 kbps

### POWER REQUIREMENTS
- **POWER INPUT/POWER SUPPLY**: 9-36 VDC
- **POWER CONSUMPTION**: Peak: 2.5 W, Idle: 1.5 W, Sleep 30 mW

### ENVIRONMENTAL/REGULATORY APPROVALS
- **NEMA**: IP54
- **OPERATING TEMPERATURE**: -40°C to +70°C (-40°F to +158°F)
- **STORAGE TEMPERATURE**: -40°C to +85°C (-40°F to +185°F)
- **SAFETY**: UL 60950-1, EN 60950-1, CSA 22.2 No. 60950
- **EMC**: FCC part 15 subpart C section 15.247, CISPR25, EN55022, EN55024, Industry Canada RSS210 Issue 8, CISPR 22
- **AUTOMOTIVE**: ISO-10452, ISO-10605, SAE 1455, ISO 7637, J1113-2

### PART NUMBERS
- **WVA-J200**: Wireless Vehicle Bus Adapter (WVA), Wi-Fi, Telematics Version
- **WVA-J200-10**: Wireless Vehicle Bus Adapter (WVA), Wi-Fi, Telematics Version, 10 Unit Bulk Pack

WVA is not certified for use in Europe

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