



J1708/J1939 TO  
WI-FI ADAPTER



# 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

## RELATED PRODUCTS



Digi TransPort®  
WR44



Digi TransPort®  
WR44 R

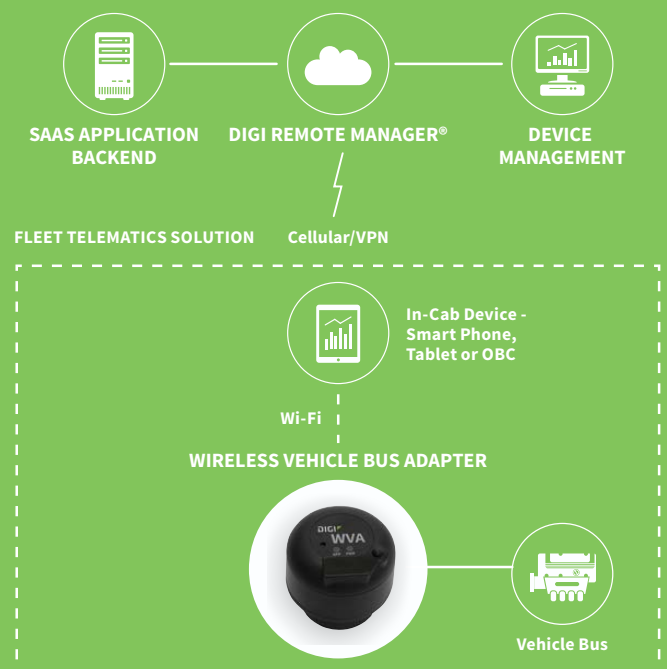


Digi Remote  
Manager®



Accessories

## APPLICATION EXAMPLE



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	
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	DESCRIPTION
WVA-J200	Wireless Vehicle Bus Adapter (WVA), Wi-Fi, Telematics Version

WVA is not certified for use in Europe

**DIGI SERVICE AND SUPPORT** / You can purchase with confidence knowing that Digi is always available to serve you with expert technical support and our industry leading warranty. For detailed information visit [www.digi.com/support](http://www.digi.com/support).

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