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

PART NUMBERS	DESCRIPTION
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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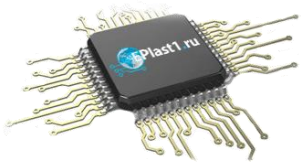
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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