



Advanced Vehicle
Technologies, Inc.

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www.AVT-HQ.com

Auto Network Interface with Ethernet

AVT announces the new model **AVT-418 Ethernet Network Interface** for automotive computer networks.

The model **AVT-418** is an **Ethernet Interface** between a host PC and most of the automotive network protocols used by modules and vehicles now in production.

Detailed information about the **AVT-418 Interface** can be found at:

www.AVT-HQ.com/download.htm#AVT-418

The **AVT-418 Interface** supports all of these different automotive network protocols:

- CAN; 2-wire (CAN-C or ISO 11898) - Ford Motor Company approved.
- CAN; 2-wire (CAN-B or ISO 11519).
- CAN; Single Wire CAN (SWC or J2411).
- CAN; Full ISO 15765 messaging supported.
- J1850 VPW (GM Class 2 and DaimlerChrysler compliant).
- J1850 PWM (Ford SCP compliant).
- Keyword Protocol 2000 (ISO 14230) [compatible with ISO 9141-2].
- LIN (Local Interconnect Network). Master and Slave, multiple versions.
- UBP (Ford's UART Based Protocol).
- KIE (K-line Inverted Echo).
- GM's ALDL or UART, +VBATT version.
- Other protocols, capabilities, functions, and support are included.

Development, production, and test engineers need a way to communicate with the many different vehicle networks. The **AVT-418 Interface** fills that need in a single unit with nothing else to buy. It supports all the current and popular protocols. The **AVT-418 Interface** is easy to setup and use. It rapidly switches between the different protocols with simple software commands. A sample application, including source code, is available for free from the web site.

“Many of the protocols are not electrically compatible.” AVT senior engineer Michael Riley explained. “A test engineer with many end-of-assembly line test stands can’t afford a different interface for every protocol.” “That is where our model **AVT-418** excels. No lost time and money to reconfigure the test stand for each different module or vehicle.”

Mr. Riley noted that “The **AVT-418 Interface** uses an Ethernet connection to the host computer. Multiple **AVT-418 Interfaces** can be controlled by a single computer. The host computer and interface units can be located anywhere.”

The **AVT-418 Ethernet Network Interface** is rugged and easy to use. The Ethernet connection is electrically isolated from the vehicle and protects the Ethernet from possible faults or surges.

AVT-418 Interface in a rugged enclosure with patch cord

list price: US\$ 1210.00 (quantity 1).

AVT-418 Interface OEM board w/mounting brackets

list price: US\$ 1175.00 (quantity 1).

Orders are filled from stock, usually within 24 hours.

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Background

As the electronic content of motor vehicles rises, the number and type of different in-vehicle networks has risen as well. The use of networks permit the sharing of information between modules, sub-systems, and systems within the vehicle. Multiple networks are used to segment or isolate the various sub-systems based on factors such as type of information, speed, and reliability.

AVT vehicle network interface units are used by engineers involved in all aspects of testing, research, product development, and many other areas. AVT vehicle network interface units can be found in assembly plants, product development labs, and other uses all over the world.