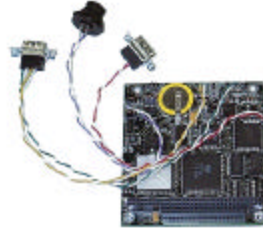


MultiCom 104

Multi-Purpose Vehicle Interface Adapter on a PC/104 Card



EnGenius' MultiCom 104 provides *simultaneous* access to the vehicle network as well as digital and analog input/output on a PC/104 card. The MultiCom 104 also has a real-time clock and an RS485/RS422 port (for communication with other devices).

Interface Capabilities

MultiCom 104 is capable of supporting SAE J1708, RS485/RS422, and others (including custom protocols).

Applications

- ▲ Engineering development or in-vehicle use
- ▲ Protocol translation
- ▲ Network monitoring
- ▲ Module validation, test fixtures
- ▲ Diagnostics
- ▲ Heavy truck

Features

- ▲ PC/104 card
- ▲ RS485/RS422
- ▲ SAE J1708
- ▲ Real-time clock
- ▲ 8 channel 10 bit A/D inputs available
- ▲ 2 digital inputs available
- ▲ 4 digital outputs available
- ▲ 20 MHz 80C196KC microcontroller
- ▲ 8K Dual Port RAM
- ▲ 128K Flash ROM

J1708 Technical Data

- ▲ 6.4K–12.8K baud supported
- ▲ Byte stream or message modes with timestamping
- ▲ Automatic separation of received bytes into discrete messages
- ▲ Software configurable loop back

RS485/RS422 Technical Data

- ▲ Uses 16552 Dual UART
- ▲ Up to 230K baud available

Software & Documentation

- ▲ User manual provides a description of the hardware and application library interface
- ▲ Static libraries for DOS