



Communication and Networking

The main control unit can be connected together or to the host machine through a number of popular communication standards.

These include

- **RS-485 Bus**
- **CAN Bus**
- **Ethernet Bus**

RS-485 Bus

The main control units, 8410/8411/8810/8811, are equipped with an RS485 communication interface capable of bandwidths up to a maximum of 921.6K BPS max. The connection medium is a twisted-pair, multi-drop 2-wire RS-485 network. The 8411 and 8811 are RS485 based controllers with 4 and 8 slots respectively. The 8410 and 8810 are slave expansion modules providing 4 or 8 slots respectively.

CAN (Controller Area Network) Bus

The main control units, 8420/8421/8820/8821, are designed for CAN bus applications. The DeviceNet and CanOpen protocol is supported. The 8420/8821 acts as a slave device and 8421/8821 acts as a master/slave device.

Ethernet Bus

The main control unit, 8431/8831, are designed for Internet/Ethernet applications. The 8431/8831 supports the TCP/IP, Web-Server & VxCOM library. The TCP/IP library provides a simple means to connect these modules directly to the Internet through the Ethernet controller. A built in Web-server library provides the means to directly link to a standard HTML browser, IE or Netscape. The Virtualized-COM library makes it ideal for Ethernet-to-RS-232-router applications.