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5 captures 22 Apr 98 - 28 Nov 99
MAR APR FEB Close
1997 22 1998 1999 Help

Return Home

Interface Cards for Modicon Networks

VMEbus interface card (5136-MOD-VME)

Data Sheet



Conventional methods of exchanging data between VME systems and programmable controllers can be slow and cumbersome. The Direct-Link 5136-MOD-VME interface card allows direct connection to the Modicon S908 Remote I/O network and the exchange of all I/O data at 1.544 Megabits/second without any loading of the host CPU.

Flexibility

The Direct-Link interface is totally programmable. Various software modules can be downloaded to allow it to do different functions. Current software modules allow the Direct-Link interface to:

- Drive Modicon 800 series I/O from a VME host
- Receive all I/O data from all the I/O drops
- Simulate I/O drops and modules in the system

Implementation

The Direct-Link interface builds a real-time data table of all the I/O events in dual-ported memory. This I/O data table is available to all the devices on the VMEbus just by reading and writing to this data table.

I/O communication status on all the devices on the I/O line is available every scan by reading the dual-ported RAM. Included with the interface card is the C language source code for data access routines. The Direct-Link interface card can be software configured after power up to reside anywhere in standard memory.

Advantages

- All serial and parallel communication ports remain available for other applications
- Complete communication error checking is performed on the Direct-Link card
- I/O data is available at memory access speeds, typically tenths of microseconds
- Host software development is simplified

Return to Direct-Link for Modicon

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