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Selected NR&D CAPP Products

Collaborative Automation by Schneider Electric

CERI-001

The CERI Module is a Compact Ethernet Remote Interface. It replaces the PLC CPU or DEA-202 interface in a Compact Primary Rack and maps the installed A120 I/O to Modbus/TCP. The CERI can then be controlled via Ethernet from another PLC with a standard I/O Scanner allowing a simple migration to the M340 while retaining existing racks and I/O. Device is configured through the built-in Web server and front panel LCD/keypad.

CNOE/CNOS

The CNOE/CNOS are communications modules for the TSX Compact PLC. They are available with Ethernet only, serial only, or Ethernet with serial. The Ethernet is 10/100BaseT and supports Modbus/TCP. The serial ports are switchable RS-232/485 supporting Modbus and 17 other protocols. Concept and ProWORX programming is supported, along with MSTRs and I/O Scanning.

MUCM

The MUCM is a user programmable serial communications Momentum specialty base that interfaces with Momentum communication adapters and PLCs. Two isolated RS-232 and/or RS-485 ports are provided. The MUCM is a powerful module that can be used in a variety of stand-alone applications such as serial protocol converter, data logger, or ASCII serial device interface.

MST

Niobrara's MST products are optically isolated serial communications adapters for TSX Momentum I/O. The MST may be used with any Momentum I/O Base to allow read+write control from a serial network. RS-485 and RS-232 versions are available with many common protocols including Modbus RTU and ASCII.

QUCM

The QUCM is a programmable communication module for the Quantum PLC with two serial ports and an optional Ethernet port. The QUCM runs compiled structured text language programs that feature a real-time clock, a TCP/IP stack, and a large number of internal registers. Niobrara offers programming services to provide drivers for custom applications with many free to download from our Web site at www.niobrara.com. The QUCM is fully Unity Pro compatible.

QRIO-002

The QRIO is an Allen-Bradley Universal Remote I/O Scanner for the Quantum PLC. It is ideal for customers who want to upgrade from an existing A-B Remote I/O network to a Quantum PLC without changing out the existing Remote I/O. The QRIO supports up to two RIO networks and may be used in a Quantum HSBY system. Users can also use the QRIO to add specialty RIO devices to an existing Quantum PLC system. The QRIO is fully Unity Pro compatible.

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QASI

The QASI is an AS-Interface (AS-i) network master designed for the Modicon TSX Quantum Automation Series PLC. The QASI allows the PLC to interact with I/O points and devices via the AS-i bus. It conforms to AS-i specifications (up to v3.0), which provide for analog I/O on the AS-i network, A and B slave addressing for up to 62 slaves, and enhanced safety features. The QASI is fully Unity Pro compatible and may operate in local, remote, or DIO Quantum racks.

QSPXM

The QSPXM is a Seriplex master for the Quantum PLC. Seriplex is an efficient, inexpensive, deterministic bus interconnecting up to 510 I/O points or 480 16-bit words using a single four-wire cable. The QSPXM is fully Unity Pro compatible and may operate in local, remote, or DIO Quantum racks.

SERI-T

The SERI module is a SY/MAX Ethernet Remote Interface. It replaces the PLC CPU or RI interface in a SY/MAX local or remote rack and maps its I/O to Modbus/TCP. The SERI can then be controlled via Ethernet from another PLC or SCADA. The SERI supports all RRK and HRK racks.

Upgrading from SY/MAX to Unity Pro or Concept is now as simple as adding entries to the Quantum (or Premium or M340 or Compact or Momentum) Ethernet I/O Scanner for each SERI-controlled rack. Users can configure the SERI's powerful internal register mapper with a standard Web browser or included PC software. This mapper logically groups the SY/MAX input and output modules to minimize the number of Modbus/TCP messages required for control.

EPE5

The EPE5 is an Ethernet Port Expander built in the SY/MAX form factor. Two vesions are available with either four RS-485 or four RS-232 serial ports. Both versions are equipped with a 10BaseT Ethernet port that supports both Modbus/TCP and SY/MAX 802.3 Ethernet protocols at the same time. It may act as both an Ethernet client and server at the same time and is commonly used as a Modbus/TCP <> SY/MAX 802.3 converter.

All four serial ports are independently configurable for 18 different serial protocols including Modbus and SY/MAX. The EPE5 can be mapped as I/O in a SY/MAX PLC rack or be powered by an NRK2 single-slot rack for stand-alone applications.

MEB-RT

The MEB is a Unity compatible, fully functional, bidirectional Modbus Plus (MB+) to Ethernet bridge. As a bridge, the MEB routes data and PLC programming messages through all combinations of Ethernet, Serial RS-485, and MB+. Full bridging of programming messages from Unity Pro, Concept, and ProWORX is supported from Ethernet, MB+, and RS-485 serial.

The MEB-RT has a 10BaseT RJ45 Ethernet port, a redundant-cable Modbus Plus port, and two RS-485 serial ports. The Ethernet port supports Modbus/TCP and SY/MAX 802.3 protocols at the same time. The serial ports support 18 different protocols including Modbus RTU (master and slave). The MEB-RT can be mapped as I/O in a SY/MAX rack.

MEB II

The MEBII is a new DIN rail mount version of the popular MEB-RT. It is a Unity Pro comaptible, fully functional, bidirectional Modbus Plus (MB+) to Ethernet bridge. As a bridge, the MEBII routes data and PLC programming messages through all combinations of Ethernet, Serial RS-232/485, and MB+. Full bridging of programming messages from Unity Pro, Concept, and ProWORX is supported from Ethernet, MB+, and RS-232/485 serial.

Advanced features of the MEBII include an LCD and keypad to configure module parameters, 10/100BaseT Ethernet, switchable RS-232 and RS-485 serial ports, and direct 24Vdc power.