



Interconnection
of Architectures

Life Is On

Collaborative Automation by



Niobrara Research & Development

Schneider Electric Collaborative
Automation Partner Program

- Connect disparate machinery and equipment on the plant floor
- In-chassis modules for Quantum tightly integrated with the Quantum PLC
- Offer programmable serial and Ethernet in-chassis modules for Quantum
- Comprehensive professional product support

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Niobrara Research & Development
Joplin, Missouri
USA

Services

Since 1987, Niobrara Research & Development has focused on solving customers' communications problems with flexible, reliable, and innovative products. Niobrara designs and manufactures industrial data communications equipment, specializing in connecting disparate machinery and equipment on the plant floor.

Each state-of-the-art control system is tailored to meet the customer's unique needs and is backed by comprehensive professional product support.

Systems

Niobrara engineers design each product, lay out the circuit boards, and write the operating system, firmware, and software. The products are manufactured, burned in, and tested exclusively at Niobrara facilities. Before purchasing any products, customers may download everything from product descriptions to fully functioning software via Niobrara's website. Post-purchase telephone support is provided free of charge and more complicated issues are simulated and resolved in Niobrara's technical support labs.

Solutions

As part of the Schneider Electric™ CAPP, Niobrara incorporates M580, Quantum™, Compact™, Momentum, Modbus Plus, and Ethernet technology into many of the products. The company offers a complete array of communication solutions, including:

- Bridges and gateways
- Data concentrators
- Protocol converters
- User-programmed modules
- ASCII modules
- Modems
- Port expanders
- Programming cables
- Data-level translators



Niobrara MEB II

Markets served

● Primary sectors of activity ● Secondary sectors of activity

End user					OEM					
Food & Beverage	Water	Oil & Gas	Mining Minerals	Electrical Energy	Hoisting	Lift	Packaging	HVAC & R	Conveying	Textile
●	●	●	●	●	●	●	●	●	●	●

Areas of expertise

Industrial network communications Complete product support Connection of disparate plant floor machinery and equipment Broad geographic coverage (users in 30+ countries; 300+ Schneider Electric distributors worldwide)

Authorized CAPP products

Authorized CAPP products	Product description	Distinguishing characteristics
Product family for M580 ePAC	In-chassis modules for M580 allow user programmable communication with serial and Ethernet remote devices.	DIO module requires Ethernet Backplane slot. Works with all M580 CPUs including HSBY.
Product family for Quantum PLC	In-chassis modules for Quantum enable communications with ASi and SERIPLEX™ networks, with devices on Allen-Bradley® Remote I/O networks, and offer programmable serial and Ethernet modules.	All Niobrara in-rack modules are tightly integrated with the Quantum PLC.
Product family for Compact PLC	Innovative in-chassis modules for Compact PLC add versatility, expand the communications alternatives, and facilitate cost-effective migration to newer PLC families.	All Niobrara modules are tightly integrated with the Compact PLC.
Product family for Momentum PLC	Universal communications modules have one or two isolated serial ports, switchable between RS232 and RS485.	Programmable serial communications modules are compatible with Schneider Electric Momentum.
Product family for SY/MAX PLC	Include Ethernet port expander, Ethernet remote Interface, and Ethernet bridge modules.	Innovative modules add communications versatility and facilitate cost-effective migration to newer PLC families.
For more detailed product information, please consult: niobrara.com		

schneider-electric.com

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