

molex®

INDUSTRIAL > NEWS

EXCLUSIVELY FOR MOLEX INDUSTRIAL DISTRIBUTORS

Molex SST™: Proven PAC/PLC Communication Modules for Industrial Automation

For more than 20 years Molex SST™ has been a leader in industrial grade communication and connectivity solutions for automation systems. A long-time Rockwell EncompassPartner, SST modules enable seamless communication between controllers and devices that use different automation networks and different types of open network protocols. These protocols include DeviceNet™ and PROFIBUS™ and Ethernet-based protocols such as MODBUS® TCP and Siemens® Industrial Ethernet protocols. What's more, various SST modules are capable of handling multiple network protocols as well as delivering slave and master functionality, all within a single card. As a result, the need for – and cost of – multiple modules can often be eliminated, saving customers substantial money, and valuable space in the backplane. In addition, the versatility and multi-functionality of SST modules can lead to lower inventory costs for distributors as they need stock only one part versus two or more. Plus, with fewer SKU's volume-pricing discounts become easier to achieve.

End-to-end design and manufacturing

From concept to design to manufacturing, for hardware, software and firmware, Molex owns and controls every aspect of its SST communication modules. This total ownership means that customers can count on a consistent high-level of quality control and peak-performing communication modules that meet or exceed all expectations. For example, the published MTBF values for SST Rockwell CompactLogix™ communication cards are 181 years of continuous use at 25-degree Celsius ambient temperature operation. Yet another example is the superior ability of SST products to withstand network noise and/or transmission spikes. Whereas most cards are designed to handle up to 500 volts of noise isolation on the communication ports, or between ports and the backplane, cards are specified for up to a 2500-volt isolation.

Total ownership and control of all intellectual property and associated activities also results in two other important benefits: (1) When circumstances demand it, Molex can quickly and easily adapt its products to the specialized needs of any customer or market (2) Ownership and control foster lower design and manufacturing costs that enable Molex to offer more competitive pricing points.

Easy to configure and use, knowledgeable, dedicated technical support and customer service

Molex software makes it very easy for users to configure their networks and get their systems up and running as quickly as possible. Engineered with an emphasis on intuitiveness and ease-of-use, configuring CompactLogix™ and ControlLogix® modules requires no ladder logics. Comprehensive testing and troubleshooting software tools are included and expert technical and customer service support is available by phone anywhere in North America by calling 1-877-427-0850 (no call back ticket).

For our valued distributors local Molex field sales people are at the ready to support sales efforts and assist customers in selecting the right product for their applications. Seminars and webinars are also offered. A global company, Molex provides technical and customer service support and sales assistance throughout the world.



SST-PB3-CPX



SST-PB3S-CPX



SST-SR4-CLXT-RLX

WHERE TO SELL?

Any industry that uses Rockwell PLCs. Prime targets include:

- Process Control
- Waste/Fresh Water treatment
- Manufacturing
- Packaging
- Automotive
- Oil & Gas

WHO TO SELL?

Anyone that uses Rockwell PLCs. Prime targets include:

- Machine builders selling to customers using Modbus® networks
- System integrators needing to network their machines
- End users-needing to network plant wide devices.



SST-ESR2-CPX-S

MOLEX SST™ HIGHLIGHTED PRODUCTS

Universal Modbus® Module for Rockwell Automation® ControlLogix®

Featuring Modbus® TCP (and Siemens Industrial Ethernet) and 2 Modbus® serial ports in one module, it has the capacity for up to 32,000 registers with a simple AOI. If using Modbus® Ethernet and Modbus® serial, buy only one card instead two. Cut costs, save valuable space on the backplane.

- 2 Modbus® serial master/slave ports
- Powerful, benefit-rich, in-rack module with easy configuration
- All 3 Ports can be active at the same time*

* Enables serial devices to talk to a Rockwell controller at the same time Ethernet devices are talking to a different Rockwell controller.

Typical applications:

- PC-Based Control
- Robotic application
- Panel PC visualization system

SST-ESR2-CPX-S

CompactLogix™ Modbus® TCP Ethernet/2 Port Modbus® Serial Module

This standard version is a competitively-priced, in-chassis module that's ideal for smaller OEM machine-type applications.

- Supports 32 Modbus® instructions per port
- Database of 496 words
- No add on instruction needed

SST™ PROFIBUS™ Master/Slave Module for Rockwell Automation® CompactLogix™

Enables Rockwell CompactLogix™ PLCs to talk to devices on any PROFIBUS™ network. Customers get 2 for 1 versatility and economy as SST™ CompactLogix™ and ControlLogix® cards act as PROFIBUS™ master and PROFIBUS™ slave at the same time.

- One card to order, purchase, design, configure, install, stock
- Bridge two different networks with a single card
- Only one backplane slot, saves space, increases flexibility and innovation in design
- Available as master only or slave only for even more cost savings.

For more information visit molex.com and search SST™ modules.

* CompactLogix is a trademark of Rockwell Automation, Inc.

† ControlLogix is a registered trademark of Rockwell Automation, Inc.

‡ Modbus is a registered trademark of Schneider Electric USA, Inc.

§ PROFIBUS is a trademark of PROFIBUS International



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