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Softing Inc. is a developer of factory automation data appliances; computing and communications products. Since its founding in 1989, the company has led the industry in developing the technologies needed to enable numerous leading brands of PLCs/PACs to communicate with various field devices or other controllers on the factory floor.

Headquartered in Knoxville, Tennessee, Softing has offices in Haar Germany, Cleveland (Ohio), Barcelona, and Shanghai.

The power of collaboration working for you

PartnerNetwork™ solutions from Rockwell Automation

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What does Softing Inc. do for Rockwell Automation customers?
Softing develops in-chassis ControlLogix® and CompactLogix® communication modules for connecting to SQL databases or to OPC clients. End users and system integrators are solving IIOT challenges for MES, track & trace, quality monitoring, HMI, or key performance indicator monitoring with Softing in-chassis PLC to enterprise transaction modules.

In addition to enterprise transaction modules, Softing develops control network health monitoring tools and field device health monitoring tools. Manage your LAN, the cables, the PC's, and any IP address that's connected to the LAN. Test performance up to 10Gb/s. Softing offers products to troubleshoot your smart field devices.

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RA Rockwell Automation

How can Softing enhance Rockwell PAC/PLC systems

As an Encompass Partner, Softing in-chassis connectivity modules have native connectivity to ControlLogix and CompactLogix backplane. Native access means increased transaction speeds, automatic enumeration of PLC tags, and monitoring of tags without touching PLC logic. tManager native backplane access to PLC tags means the SQL database connected via tManager Ethernet port is on a separate network.

tManager from Softing enables IIOT for the ControlLogix and CompactLogix platform. Inserting tManager in-chassis PLC card in 1769 or 1756 enables the PLC tags to communicate up to an SQL database and across to other islands of PLCs. This helps end users and system integrators implement IIOT strategies such as MES connectivity, monitor important production metrics, or download recipes for just-in-time manufacturing.

tManager in-chassis PLC card extends connectivity up to SQL and also across to 16 islands of PLCs to Modbus, EtherNet/IP, Siemens, or Bailey Infi90 PLCs.

OPC UA and OPC UA MDIS in-chassis ControlLogix card turns ControlLogix into an OPC UA server. Connect ControlLogix to OPC UA HMI or other OPC UA compliant clients.

Why choose Softing in-chassis modules?

Softing offers the premier line of ControlLogix modules for data exchange as well as computing for custom application development (all with full backplane interface and Ethernet communications).

Enterprise appliance transaction modules (eATM)

The ControlLogix Enterprise Appliance Transaction Manager (tManager) installs in a ControlLogix chassis with backplane access or Ethernet access. The CompactLogix tManager connects via Ethernet to CompactLogix. tManager then connects the PLC to your SQL business database by a second, separate, ethernet port. Using graphical configuration software, you will quickly be exchanging data between plant floor devices connected to ControlLogix and your business software. With separate Ethernet port for your SQL database, network segregation is guaranteed.

tManager connectivity to SQL databases is available in a 1756 and 1769 form factor.

The eATM tManager® can communicate over the backplane through in-chassis bridge modules to Allen-Bradley® PAC/PLCs and also via EtherNet/IP and its Ethernet port to other PAC/PLCs. Moreover, the same Ethernet connection can connect to other brands of controllers allowing a ControlLogix system to function as a data gateway for multiple vendor installations. On the enterprise side, tManager offers connection to databases such as MS SQL and Oracle and many others. Once configured, a tManager handles all data transfer, no additional software is required.

The eATM-OPC UA module is an OPC UA Server for a local ControlLogix chassis. As with all Softing appliances, it is graphically configured.

Controller appliance transaction modules (cATM)

The cATMs are dedicated appliance transaction modules that install in a ControlLogix chassis. They provide controller-to-controller data integration between Allen-Bradley controllers and a wide variety of other controller brands and network protocols.

The cATM High Performance offers high speed data exchange between various Allen-Bradley controllers, Siemens S7, and Schneider Quantum PLCs. The cATM Universal Gateway combined with a ControlLogix becomes a data concentrator for a multi-brand installation and can enable a migration strategy from older, legacy control systems to the latest Rockwell Automation PAC/PLCs. The cATM Bailey connects ControlLogix to legacy Bailey Net90/Infi90 DCS installations providing a migration path to a Rockwell Automation process solution.