PLC/PAC/Process Controllers

PROGRAMMABLE LOGIC AND PAC CONTROLLERS

Emerson PAC Systems RX3i Rack-Based Controller: provides the foundation for Industrial Internet connectivity. It is a powerful, modular Programmable Automation Controller with a focus on high availability. The RX3i features a single control engine and a universal programming environment to provide application portability across multiple hardware platforms.

- **Industry leading high-performance redundancy available**

- **Hot Swap I/O with Advanced Functions/Modules**

- **Optional Energy PAC eliminates the need for batteries**

- **Wide Range of Standard and Special Purpose I/O**

- **Direct PROFINET I/O Support right out of the CPU**

- **Supports OPC UA data transfer standards**

Emerson PAC Systems RX3i Rack less CPE 100/115

Small Footprint. Big Impact. Leverage the power and flexibility of PAC Systems in smaller applications. RSTi-EP CPUs make it possible to incorporate the entire PACSystems programming suite in stand-alone applications or as auxiliary control in larger process applications that use RX3i.

- **Dual LAN interfaces with four Ethernet ports**

- **PROFINET I/O Control Built-In**

- **Available DNP3 Outstation capability**

- **Up to 1.5 MB of non-volatile user memory**

- **Only 1.5" of DIN rail space needed**

Emerson VersaMax Modular PLC's

VersaMax Modular CPUs supply a number of features usually found only in PLCs with larger footprints, including up to 128kB of memory for application programs, floating point math, real-time clock, subroutines, PID control, flash memory, and bumpless program store. The serial ports support serial read/write and Modbus master/slave communications.

- **Can be mounted horizontally or vertically to maximize enclosure space**

- **Wide variety of I/O Modules with up to 32 points per module**

- **Hot swappable I/O Modules**

- **Cost-effective I/O**

Emerson VersaMax Micro PLC

The small-footprint VersaMax Micro PLC offers the flexibility of modular design and a variety of built-in features, including up to 64 I/O points (expandable to 170 I/O points), fast cycle times, a robust instruction set and extensive memory that multiplies your programming options.

- **Removable Terminal Strips**

- **PID, PWM and High Speed Counter Support**

- **Base units range from 14-64 I/O**

- **Accommodates up to 4 expansion modules**

Emerson PACSystems RX3i Rackless CPL410

Industrial Internet Control System is a hypervised, multicore, outcome-optimizing controller. It is now possible to combine real-time deterministic control with physics-based analytics to securely connect to, easily collect, and analyze industrial data directly at the machine.

- **Redundancy Built-In**

- **PROFINET I/O Control Built In**

- **DNP3 Communications**

- **Open Linux programming with the CPL410 model**

- **Optional EnergyPAC eliminates the need for batteries**

- **Supports OPC UA data transfer standards**

Emerson PACEdge™ 2.0 Platform

PACEdge, with the unique PACSystems RX3i CPL410 controller, makes reaching and controlling the edge of your operations a straightforward, easily implemented process. PACEdge lets you begin where you are and scale as far as your operations and data demand. PACEdge provides for intuitive application development using proven applications like Node-Red for data processing, Grafana for visualization, and many more.. No more command line configuration - PACEdge has web interfaces for device administration, application development and scalability.

- Advanced Analytics

- Several Visualization Options

- Secure Networking

- Cloud Connectivity

Industrial I/O

Emerson RSTi-EP

The RSTi-EP remote I/O system is well suited for Industrial Internet enabled applications. It features an extended operating temperature range, enhanced diagnostics, plug-and-play connectivity and high channel density – all designed to simplify machine design and maintenance.

- **PROFINET RT, Profibus/Ethernet IP/Modbus TCP-IP, EtherCAT Interfaces**

- **Hot swappable with advanced diagnostics**

- **Supports PROFINET System Redundancy**

- **Best in class I/O density – Up to 64 I/O modules per node. Takes up half the space of traditional systems**

- **High Density Analog and Digital Modules**

- **Special function modules including High speed counter, Frequency, SSI Encoder, PWM Output, Serial Communications**

- **SIL 3 Compliant Safety Module**