Product No: EPXCPE220

EMERSON PACSYSTEMS RSTI-EP PLC2MB 3X1GB ETH 70C 32XPROFINET RSTI-EP IO UP TO 64 MODULES EPXCPE220

FEATURES

- Programming tools such as tag-based programming, a library of reusable code and a test edit mode for improved online troubleshooting.
- User-friendly environment that can increase design flexibility and improve engineering efficiency and productivity.
- Real time I/O networking capabilities, now with up to 3x 1-Gbps Ethernet ports, With built-in support for PROFINET, OPC UP, Modbus/TCP, and DNP3, also add 3rd party devices with ease.
- Execute fleet-wide application updates via USB stick without ever connecting a laptop. Store application variables to an SD Card from User Logic enabling portable individual unit tuning parameters.
- Achilles 2 certified for robustness against service attacks. Secure boot to prevent malicious applications and "unauthorized" operating systems. Standard support for OPC UP Secure encrypted communications mean you can monitor and control your application from anywhere with confidence.
- Over 40 I/O module types and specialty interface modules, including IO-Link, mean connecting sensors and devices for your specific application is a snap.

General Information	
Brand	EMERSON
Product Type	Controller
test cat desc attr	Discover the power of industrial automation with IPD's range of programmable logic controllers (PLCs). We offer a comprehensive selection of PLCs that cater to diverse industrial applications, with a focus on quality, reliability, and cutting-edge technology. Industrial automation systems are instrumental in efficiently controlling and monitoring processes, machines, and devices in a

computerized manner, alleviating repetitive tasks and enhancing productivity in various industries. These systems are designed to operate automatically, reducing the need for manual labour, and optimizing efficiency.

In the realm of automation, four types of systems are commonly employed, fixed automation, programmable automation, flexible automation, and integrated automation. Each type offers distinct advantages and applications, empowering businesses to streamline operations and achieve optimal results.

Benefits of Automation in Industrial Setting

- Reduced factory lead times
- Faster return on investment (ROI)
- Improved competitiveness in the market
- Consistent and enhanced part production and quality
- Smaller environmental footprint
- Improved planning capabilities
- Decreased reliance on outsourcing
- Optimal utilization of floor space

A programmable logic controller (PLC) is a highly capable solid-state control system that utilizes user-programmable memory to store instructions for executing various functions such as I/O control, logic operations, precise timing, accurate counting, three-mode (PID) control, communication protocols, arithmetic calculations, and data and file processing.

PLCs have evolved into sophisticated controllers capable of managing complex processes. Originally designed to perform the logic functions previously carried out by electrical hardware like relays, switches, and mechanical timers/counters. They find substantial application in SCADA systems and Distributed Control Systems and are often employed as the primary controller in smaller system configurations. PLCs play an extensive role in virtually all industrial processes, offering reliable and efficient control solutions.

In the realm of programmable logic controllers, below range of offerings feature renowned global brands including Emerson, and IDEC. Introducing VersaMax Modular I/O and Control - the epitome of versatility by Emerson. This exceptional control

solution is compact, cost-effective, and adaptable, serving as a compact PLC, distributed I/O, or distributed control system. With its modular and scalable design, user-friendly features, and seamless integration with open systems, VersaMax proves to be a time and cost-saving solution for machine builders and end-users alike.

The IDEC MicroSmart FC6A series is available in two types, Plus and All-in-One. The Plus type features a dual RJ45 Ethernet port and embedded web server functions, and the All-in-One type features an embedded serial port and RJ45 Ethernet port.

Discover the exceptional IDEC FT1A SmartAXIS controllers including the special FT1A with in-built touch screen HMI, meticulously crafted to offer unique features and advanced functions, perfect for applications with limited I/O needs. Benefit from its embedded Ethernet port, Modbus TCP and RTU support, USB for data logging and program updates, and Class I Div. 2 hazardous locations compliance.

Why Choose IPD for your industrial automation and PLC needs?

1. **Comprehensive Product Range:** The collection features a comprehensive range of Industrial Automation and Programmable Controllers, to suit various applications and environments.
2. **Quality Assurance:** At IPD, quality is paramount. We ensure that all the range of PLCs undergo rigorous testing and adhere to international standards. This commitment to quality guarantees optimal performance, reliability, and longevity.
3. **Expertise and Support:** With our years of experience and in-depth knowledge, we understand the complexities of industrial automation. Our team of experts is ready to assist you in selecting the right PLC automation solution tailored to your specific requirements.

Order your programmable logic controllers from IPD and experience the transformative power of industrial automation. Browse below range of

PLCs and take the first step towards streamlining your processes, increasing efficiency, and achieving unprecedented control. Contact us via 1300 556 601 to discuss your automation requirements and discover how we can be your trusted automation partner.

Technical Attributes

Communication Protocols	Ethernet: SRTP Client/Server, Modbus TCP, OPC UA Secure, EGD, PROFINET, HART passthrough, DNP3 Outstation, Serial: One RS232 / ASCII Serial, Modbus RTU-Slave
Input/Output Signal	2048 Bits Discrete I/O, 32128 Words for Analog I/O
Memory	2MB of NvRAM plus 2MB of NvRAM
No. of Ethernet Ports	One 100/1000 Mbps port and one 2-Port Switch 100/1000 Mbps
Number of USB Interfaces	Two USB A2.0
Redundancy	MRP Master / Client
Voltage DC (V)	24 (+/-25%)

Physical Attributes

Operational Temperature Range (°C)	-40 to 70

Dimensions

No. of Modules	64

Protection & Standards

Standards and Approvals	Agency Approvals: UL, cUL, UKCA, FCC, RoHS, FCC, Reach, UL HaxLoc C1D2, ATEX Zone 2/ Marine Approvals: ABS, BV, DNV GL

Resources

Product catalogue (Flipbook)	Download from here