The Extron IPCP 505 is an IP Link® Control Processor designed to support larger configurable control systems. The IPCP 505 integrates Ethernet connectivity into AV systems, giving users the ability to remotely control, monitor, and troubleshoot AV equipment, including display devices and switchers. With a high performance embedded Web server, multiple bidirectional serial ports and unidirectional IR/serial ports, relays, and flex I/O ports, including Ethernet and eBUS ports, this control processor is ideal for applications that require control for multiple devices within a large-scale AV system.
The IPCP 505 is an Ethernet control processor for larger configurable control systems. It uses an existing network infrastructure to work with TouchLink™ Touchpanels and provide a full scope of A/V system control capabilities. The IPCP 505 is equipped with bidirectional serial ports, IR ports, and relays for interfacing with displays, switchers, sources, screen control, lighting systems, and more.

The IPCP 505 is configured using Extron’s free, easy-to-use Global Configurator software. Combined with our extensive library of ready-to-use device drivers, Global Configurator’s intuitive step-by-step menus allow users to configure all functions of the control system as well as create sophisticated monitoring conditions and schedules.

The IPCP 505 integrates seamlessly with Extron’s award-winning GlobalViewer® Enterprise software and Free GlobalViewer® Web application for complete A/V resource monitoring, management, and control over a computer network.

**KEY FEATURES**

- Ethernet Monitoring and control
- Supports TouchLink Touchpanels
- Eight bidirectional RS-232 ports for universal control of display devices, switchers and other AV equipment
- Eight IR/Serial ports for one-way control of external devices
- Eight relays for controlling room functions
- Four independently switched 12 VDC outputs

**APPLICATION DIAGRAM**

**SPECIFICATIONS**

**ETHERNET CONTROL INTERFACE**

- **Connectors**: 1 RJ-45 female connector
- **Data rate**: 10/100Base-T, half/full duplex with autodetect
- **Protocols**: ARP, ICMP, ping, IP, TCP, UDP, DHCP, HTTP, SMTP, Telnet
- **Web server**: Up to 200 simultaneous sessions
- **Program control**: Extron Global Configurator for Windows®, Extron Simple Instruction Set (SIS™), Microsoft® Internet Explorer®, Telnet
- **GlobalViewer requirements**: Microsoft® Internet Explorer® ver. 6 or higher

**SERIAL CONTROL INTERFACE**

- **Quantity/type**: 2 bidirectional RS-232, RS-422, RS-485
- **Baud rate and protocol**: 300 to 115200 baud (9600 baud = default); B (default) or 7 data bits; 1 default or 2 stop bits; no parity (default), or even or odd parity

**FLEX I/O CONTROL INTERFACE**

- **Quantity/type**: 4 analog input or digital input/output (configurable)
- **Digital inputs**: Input voltage range 0 to 24 VDC, clamped at +30 VDC
- **Digital outputs**: 250 mA sink from 24 VDC max.
- **Analog inputs**: 12 bit A/D, 0 to 24 VDC

**CONTROL — IR/SERIAL PORTS**

- **Quantity/type**: 8 programmable: unidirectional RS-232 (±5 V), or TTL level (0 to 5 V) infrared (carrier and non-carrier) up to 1 MHz
- **IR output carrier frequency**: 30 kHz to 1 MHz

**RELAY CONTROL INTERFACE**

- **Quantity/type**: 8 normally open relays
- **Relay contact rating**: 24 V, 1 A

**SWITCHED DC POWER OUTPUT**

- **Quantity/type**: 4 switched 12 VDC outputs
- **Power**: Maximum 40 watts total

**GENERAL**

- **Power**: 100 VAC to 240 VAC, 50-60 Hz, 65 watts, internal
- **Temperature/humidity**: Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing
- **Operating**: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
- **Enclosure type**: Metal
- **Enclosure dimensions**: 1.7” H x 8.7” W x 10.5” D (1U high, half rack wide) (4.3 cm H x 22.1 cm W x 26.7 cm D) (Depth excludes connectors.)
- **Product weight**: 2.5 lbs (1.1 kg)
- **Regulatory compliance**
  - **Safety**: CE, c-UL, UL
  - **EMI/EMC**: CE, C-tick, FCC Class A, IES, VCCI
  - **Environmental**: Complies with the appropriate requirements of RoHS, WEEE
- **Warranty**: 3 years parts and labor

**Model**

- **Description**: IP Link Control Processor
- **Part number**: 60-1071-02

For complete specifications, please go to www.extron.com. Specifications are subject to change without notice.

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