IPCP Pro 555

IP LINK PRO CONTROL PROCESSOR

IPLINK PRO   **ƏBUS**

▸ **Supports TouchLink® Pro touchpanels and eBUS button panels**

▸ **Dual Gigabit Ethernet ports**

▸ **Dedicated AV LAN port allows AV devices to be isolated from the corporate network**

▸ **Supports secure industry standard communications protocols**

▸ **Supports LinkLicense®**

▸ **Six bidirectional RS-232 serial ports with software handshaking**

▸ **Two bidirectional RS-232/RS-422/RS-485 serial ports with hardware and software handshaking**

▸ **Eight IR/Serial ports for one-way control of external devices**

▸ **Four Flex I/O ports**

▸ **Eight relays for controlling room functions**

▸ **eBUS® port for connecting eBUS-enabled devices**

▸ **DHCP server for AV LAN**

▸ **Supports Ethernet-controllable devices**
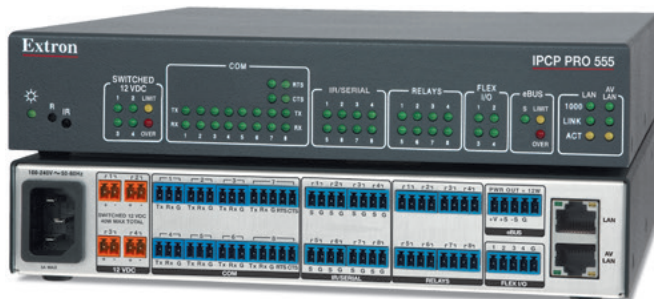
The Extron IPCP Pro 555 is a versatile, high-performance control processor with a dedicated AV LAN port that is designed to control local AV devices and is secure from outside intrusion or interference. The IPCP Pro 555 features advanced security standards and can be used with multiple TouchLink® Pro touchpanels or eBUS® button panels using a typical network infrastructure. The IPCP Pro 555 is an ideal choice for any application requiring a dedicated, secure AV LAN and support for multiple control signal types.

Extron Electronics
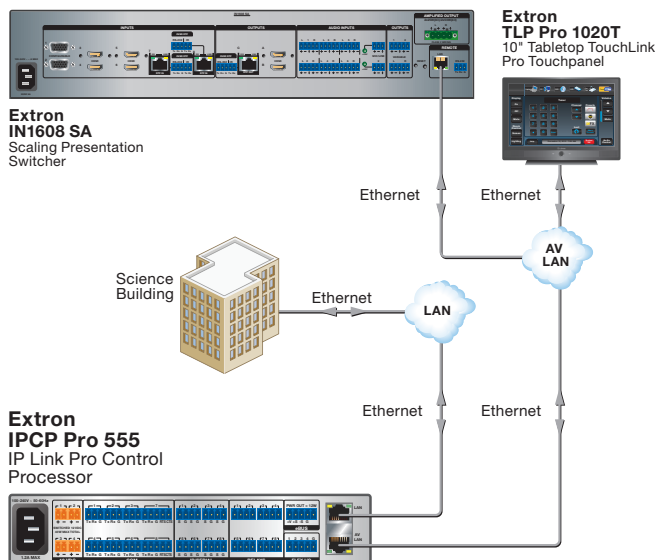## INTERFACING, SWITCHING AND CONTROL

DESCRIPTION

The Extron **IPCP Pro 555** is a versatile, high-performance control processor with dual Gigabit Ethernet ports, including a dedicated AV LAN port. The IPCP Pro 555 features a DHCP server for the AV LAN that streamlines system setup and management. The AV LAN port permits communications from the Ethernet port for remote management and firmware updates for Extron devices, and restricts other Ethernet traffic. The IPCP Pro 555 can communicate with multiple TouchLink Pro touchpanels and eBUS button panels. It can also be used with Extron LinkLicense®, which further enhances the capabilities of Extron Pro Series control systems.

The IPCP Pro 555 is configured using Extron Global Configurator® Plus and Professional software, which provides powerful customization options. It is also compatible with GlobalViewer® Enterprise software for complete, centralized AV resource monitoring, management, and control over a computer network.

KEY FEATURES

▸ Ethernet monitoring and control on each Ethernet port

▸ AV LAN port allows AV devices to be isolated from the corporate network

▸ The AV LAN port only permits communications from the Ethernet port for remote management and firmware updates for Extron devices

▸ Supports popular BMS - Building Management Systems protocols

APPLICATION DIAGRAM

Extron IN1608 SA
Scaling Presentation Switcher

Extron TLP Pro 1020T
10" Tabletop TouchLink Pro Touchpanel

Extron IPCP Pro 555
IP Link Pro Control Processor

Science Building

SPECIFICATIONS

MEMORY	
SDRAM	512 MB
Flash	4.5 GB

SOFTWARE AND CONTROL OPTIONS	
Software	Extron Global Configurator® Plus and Professional for Windows®
Control options	GlobalViewer®, Extron Control for iPad and Web, TouchLink® Pro touchpanels, or eBUS® button panels

ETHERNET CONTROL	
Connectors	2 female RJ-45 connectors
Data rate	10/100/1000Base-T, half/full duplex with autodetect
Protocols	DHCP, DNS, HTTP, HTTPS, ICMP, NTP, SFTP, SMTP, SNMP, SSH, TCP/IP, UDP/IP

SERIAL CONTROL	
Quantity/type	2 bidirectional RS-232, RS-422, RS-485 (ports 7 and 8) 6 bidirectional RS-232 (ports 1 through 6)

FLEX I/O CONTROL	
Quantity/type	4 analog input or digital input/output (configurable)
Digital inputs Input voltage range	0 to 24 VDC, clamped at +30 VDC

IR/SERIAL CONTROL	
Quantity/type	8 programmable: unidirectional RS-232 (±5 V), or TTL level (0 to 5 V) infrared (carrier and non-carrier) up to 300 kHz

RELAY CONTROL	
Quantity/type	8 normally open relays
Relay control contact rating	24 VDC, 1 A

EBUS CONTROL	
eBUS control ports	(1) 3.5 mm captive screw connector, 5 pole (uses 4 poles)
Recommended cable type	Extron STP20-2/1000 or STP20-2P/1000 cable
eBUS power output	12 watts

SWITCHED DC POWER OUTPUT	
Quantity/type	4 switched 12 VDC outputs
Power	Maximum 40 watts total

GENERAL	
Power supply	Internal Input: 100-240 VAC, 50-60 Hz
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.)
Regulatory compliance Safety	CE, c-UL, UL UL Listed for use in plenum air handling spaces: meets UL 2043 for heat and smoke release; meets UL 60950 for safety.
EMI/EMC	CE, C-Tick, FCC Class A, ICES, VCCI
Environmental	Complies with the appropriate requirements of RoHS, WEEE
Warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%.

Model	Version Description	Part number
IPCP Pro 555	IP Link Pro Control Processor	60-1434-01
IPCP Pro 555	IP Link Pro Control Proc. w/LinkLicense	60-1434-01A

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