IPL T PC1

AC POWER AND DEVICE CONTROLLER WITH IP LINK®

■ Web-based remote AC power and device control with scheduling

■ One AC outlet:
- 120 VAC 12 A Edison female, IPL T PC1
- 220 VAC 10 A IEC female, IPL T PC1i

■ One bidirectional RS-232 serial port

■ One IR port

■ One contact closure input for detecting a switch closure

■ E-mail notification enables proactive support

■ Integral high-performance Web server

■ AC outlet status is retained during power loss

■ Front panel security lockout

■ Supports industry standard Ethernet protocols

■ Simultaneous multi-user support

■ Multiple levels of access with password protection

IPL T PC1

The IPL T PC1 and IPL T PC1i provide automated AC power control and RS-232 and IR device control through a Web browser for A/V and IT applications. Both models feature Extron IP Link technology for flexible, Web-based power and device management. Their compact size makes them ideal for installing in a remote location, such as behind a display or in a kiosk.

Extron® Electronics

DESCRIPTION

The Extron **IPL T PC1** and **IPL T PC1i** AC Power and Device Controllers with IP Link® feature a single AC power outlet, RS-232, an IR output and a contact closure input. Both models include Extron IP Link technology, enabling flexible, centralized, Web-based power and device management.

The IPL T PC1 supplies up to 12 A of 120 VAC power, using an Edison outlet. The IPL T PC1i supplies up to 10 A of 220 VAC power, using an IEC outlet. They can be used to cycle power to a "frozen" A/V device or be configured to turn the device ON or OFF at scheduled times for security and energy savings. For real time notification, the controller can be programmed to send out an e-mail when each event is performed.

Web-based A/V device management is further enhanced by the RS-232 and IR ports which can be used to remotely control the operation of a DVD player, VCR, or display.

The contact closure input port can be connected to a switch or sensor for theft detection or automated device control. The software can be configured to trigger a user-definable action when the input senses a drop in voltage, such as sending an email when a device is disconnected or disabling the power outlet when a cabinet is opened.
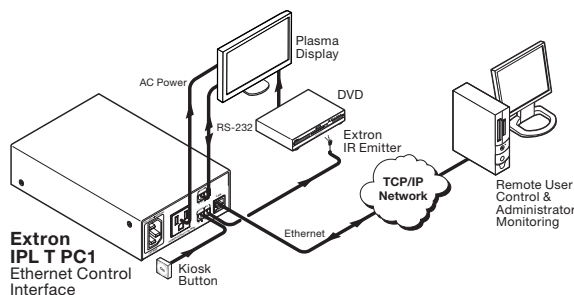
The IPL T PC1 Series controllers can be configured using Extron's easy-to-use free configuration software, Global Configurator. The IPL T PC1 and IPL T PC1i are easily integrated alongside other IP Link products and can be remotely managed and controlled using the free GlobalViewer Web application.

The integration of AC power control with device control in a single enclosure, makes IPL T PC1 Series controllers ideal for a wide variety of remote networked applications.

FEATURES

- Web-based remote AC power and device control and scheduling
- One AC outlet:
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- One bidirectional RS-232 serial port
- One IR port
- One contact closure input for detecting a switch closure
- E-mail notification enables proactive support
- Integral high-performance Web server
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- Front panel security lockout
- Supports industry standard Ethernet protocols
- Simultaneous multi-user support
- Multiple levels of access with password protection
- Free, easy-to-use Global Configurator software

APPLICATION DIAGRAM

SPECIFICATIONS

SERIAL CONTROL INTERFACE

Serial control port	(1) RS-232, 3.5 mm captive screw connectors, 4 pole
Baud rate and protocol	115200 to 300 baud (9600 baud = default) ; 8 (default) or 7 data bits; 1 (default) or 2 stop bits; no parity (default), or even or odd parity
Serial control pin configurations	1 = TX, 2 = RX, 3 = GND, 4 = +5 VDC

ETHERNET CONTROL INTERFACE

Connector	1 RJ-45 female connector
Data rate	10/100Base-T, half/full duplex with autodetect
Protocols	ARP, DHCP, ICMP (ping), TCP/IP, UDP/IP, Telnet, HTTP, SMTP
Default settings	Link speed and duplex level = autodetected IP address = 192.168.254.254 Subnet mask = 255.255.0.0 Gateway = 0.0.0.0 DHCP = off
Web server	Up to 200 simultaneous sessions 7.25 MB nonvolatile user memory
Program control	Extron's Simple Instruction Set (SIS™)
Global Viewer requirements	Microsoft® Internet Explorer ver. 6 or higher

CONTACT CLOSURE CONTROL INTERFACE

Quantity/type	1 contact closure input
Contact input control connector	(1) 3.5 mm captive screw connector, 4 pole (shared with IR/serial output port)
Contact closure (input only)	
Input voltage range	0 to 5 VDC, clamped at +5.1 V
Input impedance	10k ohms
Threshold	1.6 VDC
Pin configuration	1 = contact input, 2 = GND

IR CONTROL INTERFACE

IR control port	(1) 3.5 mm captive screw connector, 4 pole (shared with contact closure port)
Pin configurations	3 = S (IR signal output), 4 = GND
IR output carrier frequency	30 kHz to 1 MHz

AC CONTROL INTERFACE

Connectors	
IPL T PC1	1 female USA/Edison power connector
IPL T PC1i	1 female IEC power connector
Voltage	
IPL T PC1	120 VAC, 50-60 Hz
IPL T PC1i	220 VAC, 50-60 Hz
Maximum AC load	
IPL T PC1	12 A, 1440 watts at 120 VAC
IPL T PC1i	10 A, 2200 watts at 220 VAC

GENERAL

Power input	100 VAC to 240 VAC, 50/60 Hz, 5 watts, internal, on 1 male IEC power connector
IPL T PC1	12 A (max.)
IPL T PC1i	10 A (max.)
Cooling	Convection, unvented
Rack mount	Yes, with optional 1U rack shelf, part #60-190-01 or 60-604-01; or 1U, 6" deep rack shelf, part #60-190-10 or 60-604-10. Also furniture mountable with optional VersaTools under desk mounting kit, part #70-077-01.
Enclosure type	Metal
Enclosure dimensions	1.7" H x 4.3" W x 6.0" D (1U high, quarter rack wide) 4.3 cm H x 10.9 cm W x 15.2 cm D (Depth excludes connectors.)
Product / Shipping weight	1.0 lbs (0.5 kg) / 3 lbs (2 kg)
Listings	UL, CUL pending
Compliances	CE, FCC Class A, VCCI, AS/NZS, ICES
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%.

Model	Version Description	Part Number
IPL T PC1	120 VAC Edison	60-544-10
IPL T PC1i	220 VAC IEC	60-544-20

Specifications are subject to change without notice.