

Sentry Commander PT45

Remote Server Reboot & Serial Console Port Access

Key Features

- > **SSHv2:** Secure Shell for secure remote terminal.
- > **SSLv3:** Secure Sockets Layer-enabled HTTPS server.
- > **Active Directory w/LDAPv3:** User authentication with LDAPv3 & LDAPS.
- > **Remote Power Management:** Reboot locked-up equipment.
- > **Pass-Thru Console Port Access:** Console port access over IP to remote servers and routers provides universal management for all serial devices in the data center.
- > **Web GUI:** Full configuration and control for grouping and control of outlets, assigning user accounts and configuring network settings.
- > **Secure Out-of-Band:** Optional integrated secure modem provides out-of-band connection and management.
- > **RS-232 Control:** Manage through an existing computer, KVM switch, terminal server or other serial device.
- > **Environmental Monitoring:** Temperature & Humidity, and Water & Cabinet door contact closures (w/ optional add-on).
- > **Rack Space Savings:** 1U
- > **110 VAC & 220 VAC Models**



Sentry Commander PT45

The Sentry Commander PT45 uniquely combines Remote Power Management and Pass-Thru Console Port Access™ into one enclosure and — distinctively — one interface.

Remote Power Management allows the user to perform a remote server reboot or to bounce the power to another network device. A network manager can power off, power on and reboot network devices from any location via SSL Web, SSH, SNMP, RS-232 or secure out-of-band session.

Pass-Thru Port Access integrates secure, in-band and/or out-of-band serial connections to the console ports of up to 4 inter-networking devices for remote problem determination. The serial console is the only universal out-of-band management media for all the equipment in the data center. Access servers for remote monitoring and communications for applications such as BIOS configuration, boot-prompt level access or remote configuration. Additionally, connect to the configuration port (console or auxiliary port) on network equipment such as routers, switches, hubs and access servers.

The PT45 operates distributed Inline Power Modules (IPM's), which provide four distinct functional advantages:

1. **Independent Power:** One-to-one ratio between power input, IPM & device eliminates single point-of-failure.
2. **Greater distance:** Each IPM can be up to 1000' from the PT45 Commander.
3. **Mixed-Amperage:** 10, 20 and 30-Amp IPMs to control both servers & network gear.
4. **Mixed Voltage:** 110 VAC, 230 VAC & -48 VDC IPMs can be controlled from one PT45.

Model Number and Description

Model#	Voltage	Description
PT45-H404-1-07*	100-120 VAC, 50-60Hz	(4) IPM Ports for Remote Power & (4) Pass-Thru Console Ports (RJ12)
PT45-H404-2-07*	208-240 VAC, 50-60Hz	(4) IPM Ports for Remote Power & (4) Pass-Thru Console Ports (RJ12)
PT45-H808-1-07*	100-120 VAC, 50-60Hz	(8) IPM Ports for Remote Power & (8) Pass-Thru Console Ports (RJ12)
PT45-H808-2-07*	208-240 VAC, 50-60Hz	(8) IPM Ports for Remote Power & (8) Pass-Thru Console Ports (RJ12)
PT45-H016-1-07*	100-120 VAC, 50-60Hz	(16) IPM Ports for Remote Power
PT45-H016-2-07*	208-240 VAC, 50-60Hz	(16) IPM Ports for Remote Power
*Option C	Each PT45 can have a Global Secure Modem 56Kbps added.	
IPM3-R-3	10-Amp, 100-120 VAC, 50/60Hz	Power Module, In-Line w/Retainer Clip, Always-on, w/6' RJ Signal Cable, UL & CSA Approved
IPM5-R-2	6-Amp, 208-240 VAC, 50/60Hz	Power Module, In-Line w/Retainer Clip, Always-on, w/6' RJ Signal Cable, UL & CSA Approved
PM20-0-1	16-Amp, 100-120 VAC, 50/60Hz	Power Module, In-Line w/Retainer Clip, Always-on, w/6' RJ Signal Cable, UL & CSA Approved
PM20-0-2	16-Amp, 208-240 VAC, 50/60Hz	Power Module, In-Line w/Retainer Clip, Always-on, w/6' RJ Signal Cable, UL & CSA Approved
PM48-0-1	20-Amp, -48 VDC	Power Module, In-Line w/Retainer Clip, Always-on, w/6' RJ Signal Cable, UL & CSA Approved
CAB-1413	RJ12-to-RJ45 Sentry to Cisco/Sun data cable	
CAB-1414	RJ12-to-RJ45 Sentry to Cabletron data cable	
KIT-0002	DB25 M adapter and RJ12-to-RJ12 Straight-thru modular data cable	
EMCU-1-1	Environmental Monitoring Control Unit with (1) Temp & Humidity Probe – 10'	
EMTH-1-1	Temperature & Humidity Probe – 10'	

Technical Specifications

Standard Adapter Kit

- > (1) RJ12-to-DB9 Female > (1) RJ12-to-DB9 Male
- > (1) RJ12-to-DB25 Female > (1) RJ12-to-DB25 Male
- > (4) RJ12-to-RJ12 (6P6C) Crossover/Rolled Data Cables (7')

Communications Access

- > RS-232 direct serial connection/External modem
- > Internal Modem 56 Kbps
- > 10/100 BaseT Ethernet TCP/IP
- > Half-duplex/Full-duplex

Communications Interface

- > Speeds: 1200, 2400, 4800, 9600, 19200, 38400, 57600
- > Pass-Thru Console Ports must be set at the same speed as the Sentry

Access Security

- > SSH2, SSLv3/TLSv1, MD5, Active Directory w/LDAPv3 & LDAPS
- > 16-character username/password authentication
- > Individual accounts with restricted access rights

Pass-Thru Console Ports

- > 6-pin RJ12
- 1 = Signal Ground 2 = Device Ready-In/DSR,
- 3 = Data-In/RD 4 = Data-Out/TD,
- 5 = Device Ready-Out 6 = Signal Ground

User Interface

- > Command Line Interface and HTML GUI for power management and configuration
- > Telnet/ANSI/VT 100 Terminal Emulation for command-line and Pass-Thru

Conformance & Agency Approvals

- > US & Canada (cTUVus mark) to UL 60950-1:2003 and CAN/CSA 22.2 No. 60950-1-03
- > European Union (TUVGS mark) to EN 60950-1:2001
- > FCC Class A, Part 15
- > CE
- > EMC - EN 55022 Class A, EN 55024

Dimensions

- > 1.75" H (1U) x 17.2" W x 8" D



Server Technology

HEADQUARTERS - NORTH AMERICA

Server Technology, Inc.
1040 Sandhill Drive
Reno, NV 89521
United States
1.775.284.2000 Tel
1.775.284.2065 Fax
sales@servertech.com
www.servertech.com
www.servertechblog.com

EMEA

Server Technology Intl
Sienna Court
The Broadway
Maidenhead
Berkshire
SL6 1NJ
United Kingdom
+44 (0) 1628 509053 Tel
+44 (0) 1628 509100 Fax
salesintl@servertech.com

APAC

Server Technology Intl
37th Floor, Singapore Land Tower
50 Raffles Place
Singapore 048623
+65 (0) 6829 7008 Tel
+65 (0) 6234 4574 Fax
salesintl@servertech.com