

Automatic Transfer Switches

Dual Power Redundancy for all Your IT

Product Highlights

Automatic Transfer Switching

Using an automatic transfer switch (ATS) is a simple and cost effective way of providing single corded devices with the benefit of redundant power. Simply connect your single power supply router, server etc to one of our ATS switches and you have instant power supply redundancy for all your networking.

Seamless Power Transfer Switching

Transfer to a secondary power source is automatic and instant when the primary source fails. This ensures that a power failure will not affect the attached device's performance in any way.

Continuous Source Monitoring

The automatic transfer switch constantly monitors the primary power source and as soon as power is restored, the unit will automatically switch back to the primary source from the secondary source in an instant.

Automatic Transfer Switching with Power Control

Our switched NPS-ATS Automatic Transfer Switch provides full automatic transfer switching as well as allowing remote reboot of any locked up IT device to maximise equipment uptime. Versatile alarm functions and integral temperature monitoring will also help you identify issues before they become critical. For detailed information on the NPS-ATS, please request a product specific datasheet.

Automatic Transfer Switching with Power and Console Management

The RSM multi-function Remote Site Manager combines automatic transfer switching with four other invaluable remote management tools, so that you can take full control of your rackmounted equipment easily and effectively. Merge serial console access, power reboot, power and temperature monitoring with automatic transfer switching into one compact unit. Save valuable rack space, make significant cost savings compared to installing separate devices and increase your response times to critical issues with this comprehensive network management tool. For detailed information on the RSM, please request a product specific datasheet.



Seamless Power Redundancy

The PTS Automatic Transfer Switches are a reliable and cost effective way to provide single-corded (single power supply) network devices with dual power redundancy. Most data centre managers prefer power source redundancy in order that networking equipment is always up and running. This is simple when working with new, enterprise class servers as they already have dual power supplies. However, many legacy network devices and entry-level servers still only have a single power supply, which means they are at risk when there is a power failure. Replacing these single-corded devices can be both costly and time consuming, but without power redundancy, a simple power outage or generator failure can quickly bring your network services down.

Dual power redundancy is now possible without having to replace your single-corded devices. With our PTS Automatic Transfer Switches, every single-corded device can now be connected to a redundant power supply at an affordable cost. Installation is simple so that you can provide the benefits of dual redundant power to all your single-corded devices and enhance their uptime in a minute.

Seamless power transfer from one power source to another means your networking equipment is never compromised in the event of a power failure. Our PTS Automatic Transfer Switches have dual AC inputs that connect to a primary power source and a secondary redundant power source. If the primary source fails for any reason, the units will automatically and seamlessly transfer to the secondary source without any unnecessary downtime.

The PTS Automatic Transfer Switches are available with 4, 8 or 12 outlets. However, if you require greater functionality from your automatic transfer switch, why not combine it with remote power management and/or serial console management. Network management is greatly enhanced with our multi-function switches that combine power and/or serial console management with an automatic transfer switch, ensuring you have full control of your remote racks, whatever the networking problem.

FIVEYEAR
WARRANTY

Your IT is at the heart of your organisation. If it fails, business stops. Sentinel has over fifteen years' experience in power and console management. With products located in thousands of mission critical IT facilities, ranging from offshore oil and gas installations to global 24/7 rolling news providers, backed up with the highest MTBF in the industry, our track record is second to none. Entrust your business continuity with **Sentinel**.

Automatic Transfer Switches

Dual Power Redundancy for all Your IT

Key Features

Automatic Transfer Switching (ATS)

- 4, 8 or 12 C-13 Outlets
- Continuous Source Monitoring
- Power Redundancy for any Single-Corded Device
- Seamless Automatic Power Switching
- Robust Out-of-Phase Switching Capability
- Typical Switching Time: 8 – 12 ms (16ms max. @ 60 Hz)

ATS + Switched Power Control (NPS-ATS Model)

Automatic Transfer Switching Features plus...

- Individual Outlet Remote Power Rebooting
- On/Off/Scheduled Outlet Switching
- Load Shedding
- Alarms via SNMP, SYSLOG, email, text or audibly
- Temperature Monitoring, Logging & Alarming with Integral Sensor
- Comprehensive Security & Authentication
- SNMP Control, Monitoring and Configuration with full MIB support

ATS + Power and Console Management (RSM Model)

Automatic Transfer Switching and Switched Power Control Features plus...

- True RMS Current Metering
- Outlet, Multi-Outlet and Total Device Metering
- Meter & Report Amps, Wattage, Voltage and Kilowatt/hours
- Serial Console Port Management with Data Buffering per port
- (8) RS-232 RJ45 Serial Ports
- In-band 10/100Base-T Ethernet Port (Single or Dual)
- Out-of-band Internal 56K Modem with Dial-Back Security
- Break Command Blocking – Sun Break Safe
- SSH/Telnet/Raw Socket TCP Connection
- Reverse/Outbound SSH
- Multiple Concurrent Sessions

Get more from your Automatic Transfer Switch and Combine Functionality

Get more from your automatic transfer switch and combine it with network management functions such as power control and console access. Managing assets such as routers and servers is expensive and time consuming if you have to send an engineer to site. Rack space is often limited too, so there is little additional space to install extra hardware for management. Equally, it may be difficult to justify the purchase of separate solutions for each management function in a smaller branch office environment. Sentinel's combined function switches allow you to consolidate essential remote management functions into compact 1U rack-mountable units, preserving rack space, making valuable cost savings and simplifying management with one tool for all your remote site needs.

Combine the functionality of an automatic transfer switch with remote power control and install the NPS-ATS Switch. The NPS-ATS gives you the ability to remotely power reboot your IT devices from anywhere. Return your network to operational status immediately without a costly and time consuming engineering call-out. Moreover, comprehensive activity logs on the NPS-ATS create a record of all your power switching and monitoring activity to help you identify issues before they become critical. Alarms are generated to provide you with advanced warning of problems such as lost voltage or high rack temperatures.

The Innovative RSM provides network administrators with five invaluable network management tools. Still offering automatic transfer switching, product functionality is taken to a maximum by combining this with console access, remote reboot, power metering and temperature monitoring in one innovative unit.

Securely access all your serial console ports for quick troubleshooting and essential maintenance using your primary network. If this network fails, you can still access your devices via the RSM's integral modem or optional second Ethernet port. Reboot locked up equipment instantly and also power monitor all your branch office IT devices. The RSM will also monitor your rack temperature levels and if they exceed pre-defined thresholds, the RSM will notify you immediately. With advanced security features, data buffering, event logging and alarm notification, the RSM will help you resolve remote networking problems quickly.

Description	Part Number
PTS Automatic Transfer Switch, Dual 10 Amp IEC C14 Inputs, (4) IEC C13 Outlets	ST7101
PTS Automatic Transfer Switch, Dual 16 Amp IEC C20 Inputs, (8) IEC C13 Outlets, (1) IEC C19 Outlet	ST7102
PTS Automatic Transfer Switch, Dual 16 Amp IEC C20 Inputs, (12) IEC C13 Outlets, (2) IEC C19 Outlets	ST7103
Other Options	
*RSM Remote Site Manager, (8) RJ45 Console Ports, (8) C13 Switched Outlets, with Modem & ATS	ST3102
*NPS-ATS Network Power Switch, (8) IEC C13 Switched Outlets, with ATS	ST4104

*For detailed information on these models, please see product specific datasheets.