

High Amp Metered + Switched PDUs

High Amp Power Control

Product Highlights

Uniquely Designed

The VMR-HD Series of High Amp Switched PDUs are specifically designed to provide secure, remote power control and reboot capabilities for high amp networking equipment such as Juniper EX8200 Series LAN Switches, Juniper MX480 Series Edge Routers, Sun Blade 6000, Cisco Catalyst 6500 LAN Switches, Cisco Nexus C7000/9000 Data Centre Switches and HP 7000 Blade Servers.

Dual Power Inputs

The dual power inputs on the VMR-HD High Amp PDU protect the redundant dual power supply architecture found in higher end networking equipment. A dual power supply device can be supported across the dual power bus architecture of the VMR-HD, negating the need for a second power controller which is normally required to preserve redundancy.

Unique Quad Inputs

The VMR-HD4D32-8 features four 32 Amp inputs, (8) eight individually metered and switched IEC C19 outlets and (8) eight 16 Amp UL-489 circuit breakers. Each circuit breaker protects one IEC C19 outlet and supports up to 16 Amps which makes it perfect for managing mission critical hardware such as catalyst switches and blade server chassis where multi power supply redundancy is an essential requirement.

Horizontal Design

It is not easy to install one, let alone two, switched PDUs into an already cramped rack cabinet. The depth of high end enterprise networking equipment chassis means that there is little or no space to mount a vertical PDU at the rear of a cabinet. The VMR High Amp PDUs are horizontally rackmountable, ensuring that they will easily fit into your equipment rack when space is tight.

Remote Power Control/Reboot

Reboot locked up equipment instantly without the need for costly site visits. Optionally turn attached equipment on or off at scheduled times, for example, when staff have gone home and at weekends, saving energy costs.

Power Monitoring

Monitor power to all your IT devices and produce live, weekly, monthly and annual trending graphs, without any additional software, giving you unprecedented insight into how much power your individual rack or branch office is consuming.



Manage, Monitor and Control Power To All Your IT

The VMR-HD High Amp PDU is specifically designed to provide comprehensive power management and control for high amp, enterprise class networking equipment such as Cisco Nexus C7000 or 9000 Switches, HP 7000 Blade Servers, Cisco Catalyst 6500 LAN switches and Sun Blade 6000s. You can now protect the multi power supply architecture of all your critical IT hardware with just one power controller.

The VMR-HD High Amp PDU has dual 16 or 32 amp power inputs which make it perfect for managing mission critical hardware such as catalyst switches and blade server chassis where multi power supply redundancy is an essential requirement. When considering a single input PDU for your power control, you would be forced to use a second unit to protect the power redundancy of the multi power supply architecture within your switch or blade server, increasing your project costs.

Equally, it is sometimes not easy to install one, let alone two, switched PDUs into an already cramped rack cabinet. The depth of high end enterprise networking equipment chassis means that there is little or no space to mount a vertical PDU at the rear of a cabinet. The VMR High Amp Power Controller is horizontally rackmountable, ensuring that it will easily fit into your equipment rack.

The VMR-HD High Amp PDU is the perfect tool for managing and controlling power to all your blade servers and other enterprise networking hardware.

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**.

High Amp Metered + Switched PDUs

High Amp Power Control

Key Features

Power Distribution

- Unique Dual or Quad Power Input Feeds
- Resettable Circuit Breaker Protection
- Power Support from 16 amps to 128 amps total load per unit
- 4, 8 or 12 C19 Outlets

Remote Power Control

- Individual Outlet Switching
- On/Off/Reboot/Default/Load Shedding
- Outlet Sequencing & Power Up Delay
- Scheduled On/Off/Reboot Switching
- Device Watchdog Monitoring with Auto Reboot

Power Monitoring/Reporting

- Measure & Graph Power Consumption
- Meter & Report Amps, Wattage, Voltage and Kilowatt/hours
- Graph Power Metrics live, weekly, monthly or yearly
- True RMS Current Metering
- Outlet, Multi-Outlet and Total Device Metering
- No additional Software Licences required
- Power Data available via XML, CSV or ASCII
- Cisco Energywise™ Compliant

Temperature/Alarm Monitoring

- Temperature Monitoring, Logging and Alarming with Integral Sensor
- Alarming on Current or Rack temperature exceeded, Lost Communication, Failed Ping Command, Invalid Access Lock-out, Power Cycling, Lost Voltage and Buffer Threshold
- Audit Log of all user access, login/out times and command actions

Security

- SSHv2 Encryption
- Remote Authentication: LDAP/Kerberos/RADIUS/TACACS+
- HTTPS/SSL Secure Web
- IP Address Filtering & Multi-Level Subscriber Directory
- Port Specific Password Protection



High Amp Quad Inputs for Multi-Power Supply Networking

Unique Quad Inputs

The latest addition to the VMR-HD range of High Amp Metered + Switched PDUs, the VMR-HD4D32-8, features Quad (4) 32 Amp inputs, (8) eight individually metered and switched IEC C19 outlets and (8) eight 16 Amp UL-489 circuit breakers. Each circuit breaker protects one IEC C19 outlet and supports up to 16 Amps. The VMR-HD4D32-8 is ideal for remote power control and management of Cisco Catalyst LAN Switches, Cisco Data Center Switches, Juniper EX8200 Series LAN Switches, Juniper MX480 Series Edge Routers, Sun Blade 6000 Chassis, HP BladeSystem Enclosures and other high-amp equipment.

Control power to all your IT, without having to make a site visit to remote locations. The VMR-HD allows you to perform a remote power reboot of any locked up device, wherever it is located in the world. Return your network to operational status as soon as a problem is detected and maximise uptime. Scheduled on/off switching on the controller will also allow you to more efficiently manage your power consumption by powering off equipment when it is not required.

Monitor the power of all your attached equipment so that you can better understand your power usage at each remote location. The VMR will measure amps, wattage, voltage and kilowatt-hours and log these measurements to its own non-volatile memory, alleviating the need for external storage of this data. The VMR's on-board Linux web server produces live, weekly, monthly and annual trending graphs and/or power reports.

Manage all your power activity to identify issues before they impact on your service provision. The comprehensive activity logs on the VMR-HD create a record of all your power switching, monitoring and reboot activity. By continuously monitoring power, conditions that are deteriorating will be highlighted, helping you increase network availability before power issues become critical and cause unnecessary downtime.

Description	Part Number
VMR-HD4D16 High Amp Metered + Switched PDU, Dual 16 Amp Inputs, (4) C19 Outlets	ST510400
VMR-HD4D32 High Amp Metered + Switched PDU, Dual 32 Amp Inputs, (4) C19 Outlets	ST510500
VMR-HD4D32-8 High Amp Metered + Switched PDU, Quad 32 Amp Inputs, (8) C19 Outlets	ST510600
VMR-HD4D32-12B High Amp Metered + Switched PDU, Dual 32 Amp Inputs, (12) C19 Outlets	ST510700