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Sophos WS500 Web Appliance Setup Guide

WS500

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この装置は、クラスＡ情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。　　　　ＶＣＣＩ－Ａ

Ratings
V: 100 - 240 VAC (auto-range)
Hz: 50/60   A: 2.6 Max

P/N: 509-9606-00   **REV:**   0A

1. Electrical and General Safety Guidelines

This appliance is intended for installation in restricted areas only. Initial setup and maintenance should be performed by qualified personnel.

Power down the appliance following the operating system's proper power down procedure using the I/O Power Button on the front panel. Unplug the AC power cord before servicing.

To avoid electrical shock, check the power cords as follows:
- This product is to be installed in Restricted Access Location only.
- Use the exact type of power cords required.
- Use power cord(s) that came with safety certifications.
- Power cord(s) must comply with AC voltage requirements in your region.
- The power cord plug cap must have an electrical current rating that is at least 125% of the electrical current rating of this product.
- The power cord plug cap that plugs into the AC receptacle on the power supply must be an IEC 320, sheet C13, type female connector.
- Plug the power cord(s) into a socket that is properly grounded before turning on the power.

Required operating conditions for the appliance are -
Temperature: 10 to 35ºC (50 to 95ºF).
Humidity, non-condensing: 8 to 90%.

**CLASS 1 LASER PRODUCT - APPAREIL À LASER DE CLASSE 1
DISPOSING OF BATTERY BACKUP UNITS - IF APPLICABLE**

If the BBU is damaged in any way, toxic chemicals may be released. The material in the battery pack contains heavy metals that can contaminate the environment. Federal, state, and local regulations prohibit the disposal of rechargeable atteries in public landfills. Be sure to recycle the old battery packs properly. Comply with all applicable battery disposal and hazardous material handling laws and regulations in the country or other jurisdiction where you are using the BBU.

Risk of explosion if the battery is installed upside down or is replaced by an incorrect type. Replace it only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the instructions.

Disconnect the power supply at the circuit breaker before accessing any components. Turning off the system power supply switch does not reduce the risk of electrical shock from the power supply terminal block.

- To prevent the unit from overheating, never install the appliance in an enclosed area that is not properly ventilated or cooled. For proper airflow, keep the front and back sides of the appliance clear of obstructions and away from the exhaust of other equipment.
- Be aware of the locations of the power switches on the chassis and in the room, so you can disconnect the power supply if an accident occurs.
- Take extra precautionary measures when working with high voltage components. Do not work alone.
- Before removing or installing main system components, be sure to disconnect the power first. Turn off the system before you disconnect the power supply.
- Use only one hand when working with powered-on electrical equipment to avoid possible electrical shock.
- Use rubber mats specifically designed as electrical insulators when working with computer systems.
- The power supply or power cord must include a grounding plug and must be plugged into grounded outlets.

Electric Static Discharge (ESD) can damage electronic components. To prevent damage to your system board, it is important to handle it very carefully. The following measures can prevent ESD damage to critical components.

- Use a grounded wrist strap designed to prevent static discharge.
- Keep all components and printed circuit boards (PCBs) in their antistatic bags until ready for use.
- ouch a grounded metal object before removing the board from the antistatic bag.
- Do not let components or PCBs come into contact with your clothing, which may retain a charge even if you are wearing a wrist strap.
- Handle a board by its edges only; do not touch its components, peripheral chips, memory modules or contacts.
- When handling chips or modules, avoid touching their pins.
- Put the motherboard and peripherals back into their antistatic bags when not in use.
- For grounding purposes, make sure your computer chassis provides excellent conductivity between the power supply, case, mounting fasteners and motherboard.

Site Preparation

ELEVATED OPERATING AMBIENT TEMPERATURE - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient temperature. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) specified by the manufacturer. Always keep the rack's front door and all panels and components on the appliances closed when not servicing to maintain proper cooling.

REDUCED AIR FLOW - Installation of the equipment in a rack should be such

that the amount of air flow required for safe operation of the equipment is not compromised. Leave enough clearance, approximately 25 inches in the front, and 30 inches in the back of the rack to enable you to access appliance components and allow for sufficient air flow.

CIRCUIT OVERLOADING - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

MECHANICAL LOADING - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading. ALL RACKS MUST BE MOUNTED SECURELY. Ensure that all leveling jacks or stabilizers are properly attached to the rack. If installing multiple appliances in a rack, make sure the overall loading for each branch circuit does not exceed the rated capacity. Do not slide more than one appliance out from the rack at a time. Extending more than one appliance at a time may result in the rack becoming unstable. Install your appliance in the lower part of the rack because of its weight and also for ease in

accessing appliance components.

RELIABLE EARTHING - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips). Install near appropriate AC outlets, and Ethernet hubs or individual jacks. Be sure to install an AC Power Disconnect for the entire rack assembly. The Power Disconnect must be clearly marked. Ground the rack assembly properly to avoid electrical shock.

Unpacking The Appliance

Verify that the ship kit includes a power cord, the screws and the rack clips (shown below) that you will need to install the appliance in your rack. Use the hardware supplied with your specific rack if different from the hardware supplied in this kit.

4-POST RACK

Four (4) M6 x 16 mm Phillips Pan Head Screws

Four (4) Rack Clips

Front view | Side view

Front view | Side view | Rear view

2-POST RACK

Four (4) M5 x 12 Phillips Flat Head Screws and Four (4) M5 x 12 Cone Washers

Front view | Side view | Cone washer

2a. 4 Post Rack Installation

Step 1

Install two rack clips into the top and bottom of three holes on each side in the rack as shown. The tabs on each should be on the top and bottom to help stabilize them in the holes. No tools are needed to install the clips, firmly press them into place.
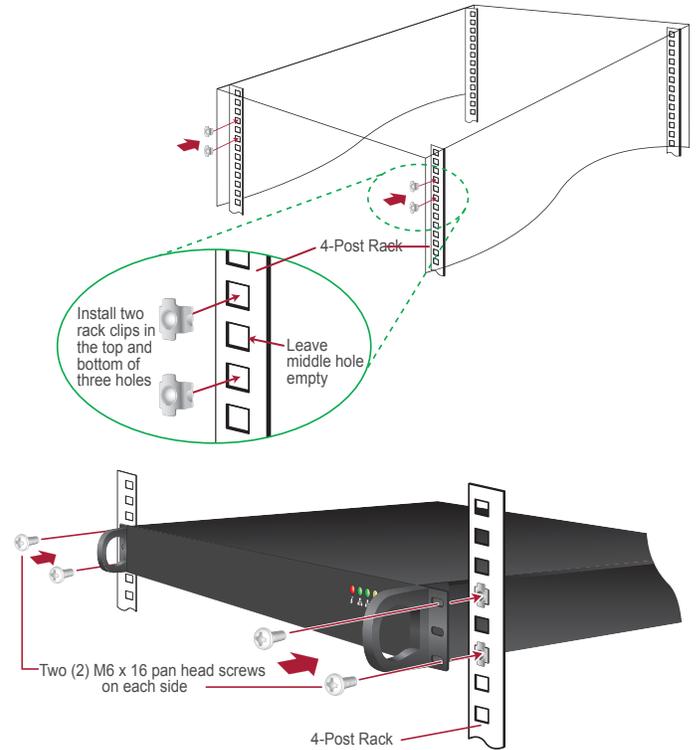
Make sure the clips are level in height on the left and right sides for proper alignment to allow accurate appliance installation.

Step 2

Install the appliance in the rack as shown. Insert one M6 x 16 screw* in the top and bottom holes through the ears into the rack clips on each side.

NOTE: Refer to your rack's mounting hardware for the proper size and type of screws to secure the appliance in the rack.

Tighten each screw to secure the appliance in the rack.

4-Post Rack

Install two rack clips in the top and bottom of three holes

Leave middle hole empty

Two (2) M6 x 16 pan head screws on each side

4-Post Rack

2b. 2 Post Rack Installation

Step 1

Install the appliance in the 2-post rack as shown. Insert one M5 x 12 screw* and one M5 x 12 cone washer* through the top and bottom holes in the ears on each side into the threaded holes in the rack.

NOTE: Refer to your rack's mounting hardware for the proper size and type of screws to secure the appliance in the rack.

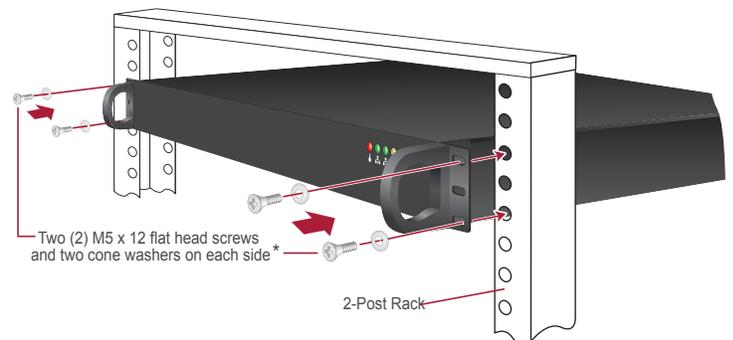Tighten each screw to secure the appliance in the rack.

Two (2) M5 x 12 flat head screws and two cone washers on each side *

2-Post Rack

3. Rear Connections & Cabling

Power Supply Module Fan   Config   LAN

Power Supply AC Inlet   USB Ports   WAN   VGA Port

⚠ CAUTION
Slide rail/mounted equipment is not to be used as a shelf or a work space.
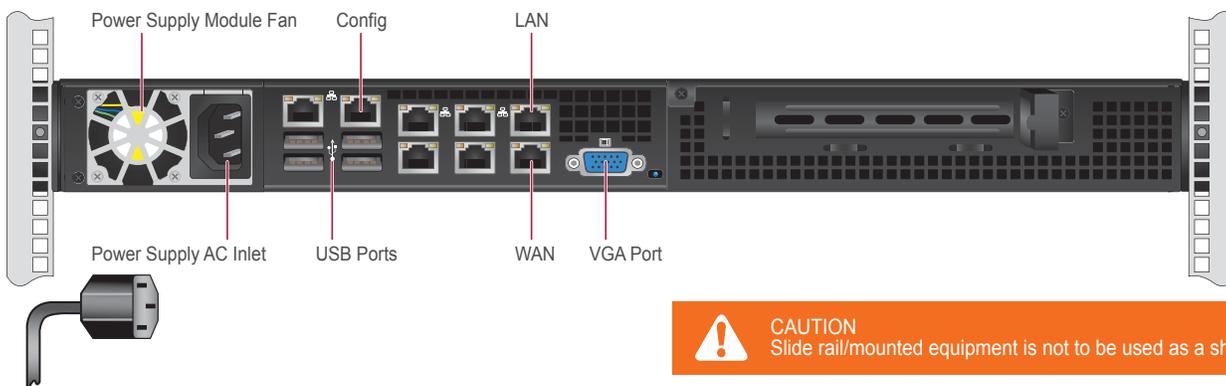
4. Front Panel Operation

Remove the front bezel if it is installed on the appliance.

Step 1 Press in on the left side of the bezel to release the tabs from the ears.
Step 2 Swing the bezel forward to remove it.

NIC2   HDD   Reset
NIC1   Power   I/0 Power Button

Multi-function LED

Blue LED
Unit identification indicator

Red LED
Fan fail overheat indicator

Power on the Appliance:

Press the I/O Power Button located on the far right on the front panel.
Once the appliance has been powered on, replace the bezel.

5. Software/Network Setup

Step 1 - Configure Port Access

Do not interrupt the installer once it begins. Doing so can damage the system to a point that it may require return to the factory to be re-imaged.

This Sophos Appliance uses specific ports for internal and external connections. Configure your network to allow access on the ports listed below.
Some ports are required only for specific situations, such as when you enable directory services, or when the appliance is part of a cluster.

External connections

Port	Function	Service	Conn.	Purpose
22	Remote assistance	SSH	TCP	Appliance to sophos.com
22	Central configuration, status and reporting (if not collocated)	SSH	TCP	Web Appliance to Management Appliance
25	Remote assistance notification	SMTP	TCP	Appliance to sophos.com
80	Outbound network web traffic	HTTP	TCP	Appliance to internet
123	Network time synchronization	NTP	UDP	Appliance to internet
443	Outbound network web traffic	HTTPS	TCP	Appliance to internet

Internal connections

21	Backups using passive FTP (if collocated)	FTP	TCP	Appliance to FTP
22	Central configuration, status and reporting (if collocated)	SSH	TCP	Web Appliance to Management Appliance
53	DNS queries	DNS	UDP	Appliance to LAN
80	Administration Web Interface	HTTP	TCP	LAN to Appliance
88	Kerberos authentication	KERBEROS	TCP/UDP	Bidirectional between appliance and AD server
139	MS NetBIOS session	NETBIOS-SSN	TCP/UDP	Appliance to AD server
389	Directory services synchronization	LDAP	TCP/UDP	Bidirectional between appliance and AD server
443	Administration Web Interface	HTTPS	TCP	LAN to appliance
445	MS server message block	SMB	TCP/UDP	Appliance to AD server
636	LDAP synchronization	LDAPS	TCP	Appliance to eDirectory server
3268	MS AD Global catalog synchronization	MSGC	TCP/UDP	Bidirectional between appliance and AD server
8080	Proxy (end user web browsing)	HTTP/HTTPS	TCP	LAN to appliance

Step 2 - Configure the Sophos Appliance

To configure the Appliance you will need the following:	
✓	Required activation code emailed to you by Sophos
✓	IP address for the Sophos Appliance
✓	Network mask for the Sophos Appliance
✓	Fully qualified domain name for the Sophos Appliance
✓	IP address of the default gateway
✓	IP address of the DNS servers

To launch the Sophos Appliance configuration wizard:
• On your laptop or PC, set the subnet mask to 255.255.255.0 and the IP address to 172.24.24.1
• Using a supported browser, connect to https://172.24.24.173

 You may need to add this address to your browser's Trusted Sites. When prompted, accept the certificate.
 Once you have completed the setup wizard, you may disconnect your laptop or PC.

• Disconnect your laptop from the "Config" port. Do not connect the "Config" port to your LAN.
• If you opt to deploy the Web Appliance as a bridging proxy (optional), you must disconnect your firewall
 from the LAN and connect to the "WAN" connector port at the rear of the appliance.

You can view the online documentation at http://swa.sophos.com/docs/swa/