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SOPHOS AP6 420 WiFi Access Point Instruction Manual

Contents

SOPHOS AP6 420 WiFi Access Point

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Product Information

The product is the Sophos AP6 420, an access point (AP) used for wireless network connectivity. It is designed for indoor use only and complies with part 15 of the FCC Rules.

Safety Instructions

- Do not operate the AP if the chassis is damaged, water has penetrated the appliance, or objects have entered the appliance via air opening.
- If smoke comes out of the appliance or the power cable is damaged, immediately stop using it.
- Ensure that the AP operates within the specified operating temperature range.

Safety Instructions

You can operate the access point (AP) safely if you follow the information in these Safety Instructions and on the appliance.

- Do not reach into the appliance. There are dangerous circuits inside the appliance that can cause death if you touch them.
- Damaged appliances must be returned. It is forbidden to open the hardware appliance or to change its components. Failure to comply with this rule results in the loss of warranty cover from Sophos.
- Connect the device to a power socket with a fully functional earth conductor. Defective earth conductor connections do not comply with the requirements for safety and electromagnetic compatibility. Check the power socket before connecting the hardware appliance.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.
- Before you switch on the appliance make sure that your mains voltage complies with the supply voltage of the appliance. The connection data are shown on the name plate.
- To disconnect the appliance completely take the power cable from the power socket. Make sure that the power plug is freely accessible.

- Make sure that no one can trip over the power cable and that it cannot be damaged by objects.
- Only connect system peripherals complying with the requirements for protective extra-low voltage according to UL/EN/IEC 62368-1.
- Only use parts and accessories validated by Sophos. Using non-approved parts and accessories may affect the functioning of the appliance and your safety.
- The appliance produces heat. Ensure that there is sufficient air circulation to remove the heat.
- Avoid a permanent high level of air humidity and formation of condensation. Protect the appliance from humidity and chemicals. Safe use of the appliance is no longer possible if: the chassis is damaged water penetrated the appliance
- objects entered the appliance via air opening smoke comes out of the appliance the power cable is damaged it does not work properly.
- Immediately turn off the appliance in the event of one of the above problems, remove the power cable from the power socket and contact your customer service as soon as possible. We expressly exclude any product liability and warranty claims ifthe appliance is not operated according to the instructions in these notes and to the notes attached to the appliance itself.

Operating temperature range

Model	AP6 420
Operating temp.	0–40°C
Power source	Adapter and PoE 12Vdc, 1.5A (optional) 57Vdc, 0.6A (optional)

This product is intended to be supplied by a listed (certified) power supply. The output of PoE is rated 57Vdc, 0.6A minimum, Tma 40°C minimum and the output of the adapter is rated 12Vdc, 1.5A. If you need further assistance, please contact the manufacturer, the UL file owner, or the brand owner for further information.

PoE-Injector Safety Information

Caution: The PoE injector is to be connected only to PoE networks without routing to the outside plant.

- C Power Cord:
- The power cord must have regulatory agency approval for the specific country in which it is used (for example, UL, CSA, VDE, GS, etc.).
- The power cord must be a three-conductor type (two current carrying conductors; one ground conductor terminated on one end by an IEC 60320 appliance coupler (for connection to the PoE-Injector), and on the other end by a plug containing a ground (earthing) contact).
- The power cord must be razed for a minimum of 250 VAC RMS operation, with a minimum rated current capacity of 5 A (or a minimum wire gauge of 18 AWG (0.75 mm2)).
  Injector installed in Australia requires power cords with minimum wire gauge of 16 AWG (1.0 mm2).
- The PoE-Injector "Data In" and "Data & Power Out" ports are shielded RJ45 data sockets. They cannot be used as Plain Old Telephone Service (POTS) telephone sockets. Connect RJ45 data connectors only to those

sockets. The AC wall socket-outlet must be near the PoE-Injector and easily accessible. You can remove AC power from the PoE-Injector by disconnecting the AC power cord from either the wall socket-outlet or the PoE-Injector appliance coupler. The PoE-

- Injector "Data In" and "Data & Power Out" interfaces are qualified as Safety Extra-Low Voltage (SELV) circuits according to IEC 62368-1.
  Connect these interfaces only to SELV interfaces on other equipment.

Warnings

- Connect the PoE-Injector only to the IP device with which it was bought. Using the PoE-Injector with other IP devices can cause damage to the IP device.
  Read the installation instructions before connecting the PoE-Injector to its power source. Follow basic electricity safety measures whenever connecting the PoE-Injector to its power source. A voltage mismatch can cause equipment
- damage and may pose a fire hazard. If the voltage indicated on the label is different from the power outlet voltage, do not connect the PoE-Injector to that power outlet.

California Proposition 65 Warning

Warning:
Cancer and Reproductive Harm – www.P65Warnings.ca.gov This product contains components that can cause exposure to substances known to the State of California to cause cancer and/or reproductive harm.

Regulatory Compliance

Manufacturers Federal Communication Commission Statements
Note: The access point Sophos AP6 420 is restricted to indoor use only.

CFR Title 47 Part 15 Subpart A—General §15.19 Statement
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CFR Title 47 Part 15 Subpart A—General §15.21 Statement
Any changes or modifications not expressly approved by Sophos could void the user's authority to operate this equipment.

CFR Title 47 Part 15 Subpart B—Unintentional Radiators §15.105 Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different
- from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Publication Number: 443999 Rule Parts: 15E—Professional Installation Instructions

Sophos AP6 420

1. Installation personnel

   This product is designed for specific applications and needs to be installed by qualified personnel who have RF and related knowledge. The general user shall not attempt to install or change the settings.

2. Installation location

   This product shall be installed at a location where the radiating antenna can be kept 40 cm away from a nearby person under normal operation conditions in order to meet regulatory RF exposure requirements.

3. External antenna(s)

   Only use the antennas that are provided in the scope of supply, because they have been approved by the regulatory authorities. Non-approved antenna(s) may produce unwanted spurious emissions or excessive RF transmit power, which may lead to a violation of FCC/IC limits and is therefore prohibited.

4. Installation procedure

   Please refer to the user manual for details.

5. Warning

   Please carefully select the installation position and make sure that the final output power does not exceed the limits set forth in relevant rules. The violation of those rules can lead to serious federal penalties.

CFR Title 47 Part 1 Subpart I §1.1310 Radiofrequency Radiation Exposure

Limits Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment as referenced in CFR Title 47 Part 1 Subpart I §1.1310.
The access point Sophos AP6 420 should be installed and operated with a minimum distance of 40 cm between the radiator and your body.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

ISED Canada Statements/Avis ISED Canada
RSS-GEN

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

MPE Statement

Caution: This product complies with maximum permissible exposure limits as set forth by the European Norm EN 62311. The Sophos access point should be installed and operated with minimum distance of 20 cm between the radiator and your body.

Member states with restrictions pursuant to Article 10(10) of Directive 2014/53/EU

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Documents / Resources

SOPHOS Safety Instructions and Regulatory Compliance AP6 420	**SOPHOS AP6 420 WiFi Access Point** [pdf] Instruction Manual 2ACTO-AP6420, 2ACTOAP6420, ap6420, AP6 420 WiFi Access Point, WiFi Access Point, Access Point, Point

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