SOPHOS

Security made simple.

Safety Instructions and Regulatory Information

APX Series Access Points

Safety Instructions

The access point (AP) can be operated safely if you observe the information in these security notes and on the appliance itself.

▸ Never reach into the appliance. There are contact dangerous circuits inside the appliance which might provoke death in case of contact.

▸ Damaged appliances must be returned. It is prohibited to open the AP and/or to exchange its components. Failure to comply with this rule will result in a loss of the warranty cover from Sophos!

▸ Connect the device only to a power socket with flawless earth conductor. Deficient earth conductor connections do not comply with the requirements for safety and electromagnetic compatibility. Let the power socket be controlled by a specialized dealer before connecting the hardware appliance.

▸ Before you switch on the appliance make sure that your mains voltage complies with the supply voltage of the appliance. The connection data are indicated on the name plate.

▸ To separate the AP completely from the mains, remove 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 EN/IEC 60950-1.

▸ Only use the supplied and/or spare parts and accessories validated by Sophos. Use of non-approved spare parts and accessories may drastically affect the functions of the appliance and your safety. The supplied parts are indicated in the Operating Instructions, which is available from the Sophos website at:

https://www.sophos.com/en-us/support/documentation/sophos-access-point.aspx#.

▸ The AP produces heat so that a sufficient air circulation to remove the heat must be ensured in the final application.

- ▸ Avoid a permanent high level of air humidity and formation of condensation water. Protect the appliance from humidity and chemicals. Safe use of the AP is no longer possible if:
  - o the chassis is damaged
  - o water penetrated into the appliance
  - o objects entered into the appliance via air opening
  - o smoke comes out of the appliance
  - o the power cable is damaged
  - o it does no longer work properly
- ▸ Immediately turn off the AP in the event of one of the above problems, remove the power cable from the power socket and contact your competent customer service as soon as possible.
- ▸ We expressly exclude any product liability and warranty claims if the AP is not operated according to the instructions in these security notes and to the notes attached to the AP itself!

PoE-Injector Safety Information

- ▸ Connect the PoE-Injector to PoE networks only, without routing to the outside plant.
- ▸ AC Power Cord:
  - o The power cord must have regulatory agency approval for the specific country in which it is used (for example, UL, CSA, VDE, GS, etc.).
  - o 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.
  - o 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)).
  - o A PoE-Injector installed in Australia requires power cords with a 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 60950-1. 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.

Simplified EU Declaration of Conformity

Hereby, Sophos Ltd. declares that the radio equipment type APX 320, APX 530, and APX 740 is in compliance with Directive 2014/53/EU.

The full text of the EU declarations of conformity is available at the following Internet address:

https://community.sophos.com/kb/en-us/117713

Indoor Use Statement (for CE)

Caution: The Sophos access points APX 320, APX 530, and APX 740 operate in the frequency bands 5.150–5.350GHz. These products are restricted to indoor operation only.

Frequency Ranges and Transmit Power - WLAN

Sophos APX model	Frequency range (GHz)	Max. transmit power (dBm)
APX 320	2.400-2.4835 5.150-5.250 5.250-5.350 5.470-5.725	19.98 22.46 22.42 29.44
APX 530	2.400-2.4835 5.150-5.250 5.250-5.350 5.470-5.725	19.49 22.48 22.47 29.43
APX 740	2.400-2.4835 5.150-5.250 5.250-5.350 5.470-5.725	19.78 22.74 22.79 29.70

Frequency Ranges and Transmit Power - BLE

Sophos APX model	Frequency range (GHz)	Max. transmit power (dBm)
APX 320	2.400-2.4835	8.38
APX 530	2.400-2.4835	7.80
APX 740	2.400-2.4835	8.87

Maximum Permissible Exposure (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

BE	BG	CZ	DK	DE
EE	IE	EL	ES	FR
HR	IT	CY	LV	LT
LU	HU	MT	NL	AT
PL	PT	RO	SI	SK
FI	SE	UK		

Manufacturers Federal Communication Commission Statements

Note: The access points Sophos APX 320, APX 530, and APX 740 are 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.

CFR Title 47 Part 15 Subpart E—Unlicensed National Information Infrastructure Devices §15.407 Statement

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 35 cm away from a nearby person under normal operation conditions in order to meet regulatory RF exposure requirements.

3. Installation procedure

Please refer to the user manual for details.

4. 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.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

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 APX 320 should be installed and operated with a minimum distance of 30 cm between the radiator and your body.

The access point Sophos APX 530 should be installed and operated with a minimum distance of 35 cm between the radiator and your body.

The access point Sophos APX 740 should be installed and operated with a minimum distance of 43 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Country code selection usage (WLAN devices)

According to FCC regulations, all WLAN devices marketed and sold in the U.S. must be restricted to U.S. channels only. Therefore, the country code selection is applicable to non-U.S. models only. So changing the country setting of any Sophos AP sold in the U.S. will not modify authorized parameters such as RF channels, which means that the Access Point will always operate in U.S. authorized channels.

Industry Canada Statements / Avis D'Industrie Canada

This device complies with RSS-247 of the Industry Canada 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.

Ce dispositif est conforme à la norme CNR-247 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Caution:

(i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

(ii) the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;

(iii) the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and

(iv) the worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in Section 6.2.2(3) shall be clearly indicated.

(v) Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Avertissement:

Le guide d'utilisation des dispositifs pour réseaux locaux doit inclure des instructions précises sur les restrictions susmentionnées, notamment :

(i) les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(ii) le gain maximal d'antenne permis pour les dispositifs utilisant les bandes de 5250 à 5350 MHz et de 5470 à 5725 MHz doit être conforme à la limite de la p.i.r.e;

(iii) le gain maximal d'antenne permis (pour les dispositifs utilisant la bande de 5725 à 5850 MHz) doit être conforme à la limite de la p.i.r.e. spécifiée pour l'exploitation point à point et l'exploitation non point à point, selon le cas;

(iv) les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, et énoncée à la section 6.2.2 3), doivent être clairement indiqués.

(v) De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

Radiation Exposure Statement

The Sophos access point APX 320 complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 35 cm between the radiator and your body.

The Sophos access point APX 530 complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 42 cm between the radiator and your body.

The Sophos access point APX 740 complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 50 cm between the radiator and your body.

Déclaration d'exposition aux radiations

L'équipement Sophos Access Point APX 320 est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 35 cm de distance entre la source de rayonnement et votre corps.

L'équipement Sophos Access Point APX 530 est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 42 cm de distance entre la source de rayonnement et votre corps.

L'équipement Sophos Access Point APX 740 est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 50 cm de distance entre la source de rayonnement et votre corps.

Class B Notice for Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

CAN ICES-3 (B)/NMB-3(B)

中国 RoHS

Part Name 部件名称	Hazardous Substances 有害物质					
	Lead [Pb] 铅	Mercury [Hg] 汞	Hexavalent Chromium [Cr(VI)] 六价铬	Polybrominated Biphenyls [PBB] 多溴联苯	Polybrominated Diphenyl Ethers [PBDE] 多溴二苯醚	Cadmium [Cd] 镉
	MCV 0.1% by weight	MCV 0.1% by weight	MCV 0.1% by weight	MCV 0.1% by weight	MCV 0.1% by weight	MCV 0.01% by weight
PCBA 机板	X	O	O	O	O	O
Mechanical parts - Thermal Pads/ Shielding 机构类-散热垫/隔离罩	O	O	O	O	O	O
Mechanical parts - Electric Holder/ Cables 机构类-电缆	O	O	O	O	O	O
Mechanical parts – housings 机构类-外壳	O	O	O	O	O	O
Mechanical parts - screws/ metal bracket 机构类-铁件/螺丝	O	O	O	O	O	O
Packaging - Carton/Eggtray/Giftbox 包材类-外箱/内衬/彩盒	O	O	O	O	O	O
Packaging - PE bags 包材类-PE 袋	O	O	O	O	O	O
Packaging - Labels/QIG/Booklet 包材类-贴纸/QIG/手册	O	O	O	O	O	O

本表格依据 SJ/T 11364 的规定编制。

This table is prepared in accordance with the provisions of SJ/T 11364.

O: 表示该有毒有害物质在该部件所有均质材料中的含量均在 GB/T 26572 标准规定的限量要求以下。
O: Indicates that said hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement of GB/T 26572.
X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 标准规定的限量要求。
X: Indicates that said hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement of GB/T 26572.

除非另外特别的标注此标志为针对所涉及产品的环保使用期标志. 某些零部件会有一个不同的环保使用期(例如.电池单元模块)贴在其产品上。此环保使用期限只适用于产品是在产品手册中所规定的条件下工作。

The Environmentally Friendly Use Period (EFUP) for all enclosed products and their parts is per the symbol shown here, unless otherwise marked. Certain parts may have a different EFUP (for example, battery modules) and so are marked to reflect such. The Environmentally Friendly Use Period is valid only when the product is operated under the conditions defined in the product manual.

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