

**SOPHOS**

# **Safety Instructions and Regulatory Compliance**

**XGS Series Wireless Desktops**

## Safety Instructions

You can operate the appliance 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 an 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.
- ▶ 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 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 if the appliance is not operated according to the instructions in these Safety Instructions and to the notes attached to the appliance itself.
  - This product is intended to be supplied by a UL approved built-in power supply or an external DC power adapter. To reduce potential safety issues and if you need further assistance with purchasing the external DC power adapter, please contact Sophos Ltd.
  - This equipment is not suitable for use in locations where children are likely to be present.
  - Never open the equipment. For safety reasons, the equipment should be opened only by qualified skilled personnel.
  - Suitable for installation in Information Technology Rooms in accordance with Article 645 of the National Electrical Code and NFPA 75.



## California Proposition 65 Warning

**WARNING:** Cancer and Reproductive Harm – [www.P65Warnings.ca.gov](http://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.

## Lithium Battery Warning

**CAUTION:** Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

## Optical Fiber Warning

Before using optical fiber for transfer-ring data, make sure you have connected an approved optical transceiver module. Always install appropriate and UL approved laser class I transceivers, rated 3.3Vdc, max. 1W, prior to using the fiber ports.

## Rack Mount Instructions

The following or similar rackmount instructions are included with the installation instructions:

- 1. Elevated Operating Ambient** – If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T<sub>ma</sub>) specified by the manufacturer.
- 2. 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.
- 3. Mechanical Loading** – Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.
- 4. 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.
- 5. 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).

## Equipment Markings

The product label is located on the bottom of the appliance.



## Regulatory Compliance

### CE Marking

#### Simplified EU Declaration of Conformity

Hereby, Sophos Ltd. declares that the radio equipment type XGS 87w, XGS 107w, XGS 116w, XGS 126w, and XGS 136w are in compliance with Directive 2014/53/EU.

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

<https://docs.sophos.com/nsg/other/RegulatoryCompliance/en-us/index.html>

#### Indoor Use Statement

**CAUTION:** The products XGS 87w, XGS 107w, XGS 116w, XGS 126w, and XGS 136w operate in the frequency bands 5.150–5.250GHz. These products are restricted to indoor operation only.



#### Frequency Range and Transmit Power

PRODUCT	FREQUENCY RANGE (GHZ)	MAX. TRANSMIT POWER (DBM)
XGS 87w	2.400-2.4835	19.91
	5.150-5.250	22.72
XGS 107w	2.400-2.4835	19.91
	5.150-5.250	22.72
XGS 116w	2.400-2.4835	19.63
	5.150-5.250	21.63
XGS 126w	2.400-2.4835	19.38
	5.150-5.250	21.32
XGS 136w	2.400-2.4835	19.38
	5.150-5.250	21.32

#### MPE Statement

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

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

							
AT	BE	BG	HR	CY	CZ	DK	UK
EE	FI	FR	DE	EL	HU	IE	
IT	LV	LT	LU	MT	NL	PL	
PT	RO	SK	SI	ES	SE	NO	
IS	LI	CH	TR	UK(NI)			

**Manufacturers Federal Communication Commission (FCC) Statements**

**CFR Title 47 Part 15 Subpart A—General §15.21 Statement**

Changes or modifications made to this equipment not expressly approved by Sophos may void the FCC authorization to operate this equipment.

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

This product has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This product generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer’s instruction manual, may cause harmful interference with radio communications. Operation of this product in a residential area is likely to cause harmful interference, in which case you will be required to correct the interference at your own expense.

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

These limits are designed to provide reasonable protection against harmful interference in a non-residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference with radio or television reception, which can be determined by turning the equipment off and on, you are 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.

#### **Indoor Use Statement**

**CAUTION:** The products XGS 87w, XGS 107w, XGS 116w, XGS 126w, and XGS 136w operate in the frequency bands 5.150–5.250GHz. These products are restricted to indoor operation only.

#### **FCC Radiation Exposure Statement**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IEEE 802.11b or 802.11g operation of this product in the USA is firmware-limited to channels 1 through 11.

#### **Industry Canada Statements**

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. [3] this device subject to this section shall not be capable of transmitting in the band 5600-5650 MHz. This restriction is for the protection of Environment Canada's weather radars operating in this band.

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. [3] Ce dispositif soumis au présent article ne doit pas pouvoir émettre dans la bande 5600-5650 MHz. Cette restriction vise la protection des radars météorologiques d'Environnement Canada qui fonctionnent dans cette bande.

## ENGLISH

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

Pour les produits disponibles aux États-Unis / Canada du marché, seul le canal 1 à 11 peuvent être exploités. Sélection d'autres canaux n'est pas possible.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with IC multi-transmitter product procedures.

Cet appareil et son antenne (s) ne doit pas être co-localisés ou fonctionnement en association avec une autre antenne ou transmetteur.

Dynamic Frequency Selection (DFS) for devices operating in the bands 5250- 5350 MHz, 5470-5600 MHz and 5650-5725 MHz.

Sélection dynamique de fréquences (DFS) pour les dispositifs fonctionnant dans les bandes 5250-5350 MHz, 5470-5600 MHz et 5650-5725 MHz.

### **Industry Canada 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) 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 :**

(i) les dispositifs fonctionnant dans la bande 5 150-5 250 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) 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 5 250-5 350 MHz et 5 650-5 850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.



**Industry Canada Radiation Exposure Statement**

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

**Déclaration d'exposition aux radiations :**

Cet équipement 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 20 cm de distance entre la source de rayonnement et votre corps.

## Safety Instructions and Regulatory Compliance Sophos XGS Series Wireless Desktops

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