

HAN Access Point: AP231 and AP231e Regulatory Compliance and Safety Information

XXXXXX-XX Rev. C

XXXXXX-XX Rev. C

■ Introduction

This document contains domestic and international regulatory compliance information for the access point. To ensure that this device complies with the regulatory standards for your region, please refer to the content below.

For United States

FCC Statement: Improper installation of access points in the United States configured to non-US model controllers will be in violation of FCC rules. Any such willful or intentional violation may result in a requirement by the FCC for immediate termination of operation and may be subject to forfeiture (refer to 47 CFR 1.80).

EU Statement: Low power radio LAN products operating in 2.4 GHz and 5 GHz bands. Please refer to the User Guide for details on restrictions.

For product available in the USA market, only channels 1-11 can be operated. Selection of other channels is not possible. This device is restricted for indoor use.

Dynamic Frequency Selection (DFS) for devices operating in the bands 5250-5725 MHz.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

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.

FCC Class B Part 15:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This equipment has been tested and compliant with the limits for a Class B digital device under part 15 of the FCC Rules. This equipment generates, uses, and can radiate radio frequency energy. If it is not installed and used in accordance with HAN's instructions, it may cause harmful interference. If this equipment does cause interference, which can be determined by turning the equipment off and on, the user is encouraged to correct the interference in one or more of the following ways:

- Reorient or relocate the antenna.
- Increase the separation between the equipment and other devices.
- Connect the equipment to an outlet on a circuit different from that to which the other device is connected.

- Consult the dealer or an experienced radio technician for help.

California Proposition 65 Warning

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

For EU

HAN Networks Co., Ltd., hereby declares that these models are compliant with the essential requirements and other provisions of Directive 2014/53/EU. For the complete CE DoC, please access the website below to get more information:
www.han-networks.com

Waste Electrical and Electronic Equipment (WEEE) Statement



HAN products are subject to separate collection and treatment in the EU Member States, Norway, and Switzerland when they are at end of life, and therefore are marked with the symbol shown. The treatment applied to these products in these countries shall be compliant with the applicable national laws which are under the implementing of Directive 2012/19/EU on Waste of Electrical and Electronic Equipment (WEEE).

European Union RoHS

HAN products are compliant with the EU Restriction of Hazardous Substances Directive 2011/65/EU (RoHS). EU RoHS restricts the use of specific hazardous materials in the manufacture of electrical and electronic equipment. The restricted materials under the Directive are Lead (including Solder used in printed circuit assemblies), Cadmium, Mercury, equivalent Chromium, and Bromine.

■ Global RF health information:

RF Radiation Exposure Statement: This equipment complies with FCC and CE RF radiation exposure limits. This equipment should be installed and operated with a minimum distance of 35 cm (for model: AP231) 38cm (for model: AP231e) between the equipment and a human's body for 2.4 GHz and 5 GHz operations. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

For Model AP231, the frequency, mode, and the maximum transmitted power in EU are listed below:

2412-2472MHz (802.11b 1 Mbps): 17.84dBm
 2412-2472MHz (802.11g 6 Mbps): 19.53dBm
 2412-2472MHz (802.11n HT20 MCS0): 19.46dBm
 2412-2472MHz (802.11n VHT40 MCS0): 19.34dBm
 5180-5240MHz (802.11a 6 Mbps): 22.05dBm
 5260-5320MHz (802.11a 6 Mbps): 21.99dBm
 5500-5700MHz (802.11a 6 Mbps):29.13dBm
 5180-5240MHz (802.11n HT20 MCS0): 22.06dBm
 5260-5320MHz (802.11n HT20 MCS0): 22.12dBm
 5500-5700MHz (802.11n HT20 MCS0):29.04dBm
 5180-5240MHz (802.11n VHT40 MCS0): 22.12dBm
 5260-5320MHz (802.11n VHT40 MCS0): 22.08dBm
 5500-5700MHz (802.11n VHT40 MCS0):29.28dBm
 5180-5240MHz (802.11a VHT80 MCS0): 22.14dBm
 5260-5320MHz (802.11a VHT80 MCS0): 22.09dBm
 5500-5700MHz (802.11a VHT80 MCS0):29.12dBm

For Model AP231e, the frequency, mode, and the maximum transmitted power in EU are listed below:

2412-2472MHz (802.11b 1 Mbps): 17.74dBm
 2412-2472MHz (802.11g 6 Mbps): 19.46dBm
 2412-2472MHz (802.11n HT20 MCS0): 19.37dBm
 2412-2472MHz (802.11n VHT40 MCS0): 19.30dBm
 5180-5240MHz (802.11a 6 Mbps): 22.43dBm
 5260-5320MHz (802.11a 6 Mbps): 22.25dBm
 5500-5700MHz (802.11a 6 Mbps):29.31dBm
 5180-5240MHz (802.11n HT20 MCS0): 22.20dBm
 5260-5320MHz (802.11n HT20 MCS0): 22.26dBm
 5500-5700MHz (802.11n HT20 MCS0):29.34dBm
 5180-5240MHz (802.11n VHT40 MCS0): 22.39dBm
 5260-5320MHz (802.11n VHT40 MCS0): 22.41dBm
 5500-5700MHz (802.11n VHT40 MCS0):29.41dBm
 5180-5240MHz (802.11a VHT80 MCS0): 22.20dBm
 5260-5320MHz (802.11a VHT80 MCS0): 22.12dBm
 5500-5700MHz (802.11a VHT80 MCS0):29.32dBm

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

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