

WatchGuard AP230W Hardware Guide

The WatchGuard AP230W is a high-performance 2x2 Wi-Fi 6 802.11ax designed for indoor wall mount deployments, and supports 574 Mbps data rate on the 2.4 GHz band and 1.2 Gbps on the 5 GHz band.

The AP230W also has a third 1x1 dual band 2.4 GHz and 5 GHz radio dedicated to security scanning for airspace monitoring.

Four additional Ethernet LAN ports provide wired connectivity. One of these wired ports also provides PoE/PSE output (802.3af) to power other devices.

You can power the access point with a PoE+ (Power over Ethernet) power source or an optional AC power adapter.



Access Point Management

You can manage your access point with WatchGuard Cloud. WatchGuard Cloud delivers simplified Wi-Fi management to easily deploy, configure, and report on one unified platform for security. It eliminates the need for any physical or virtual infrastructure requirements, with multi-tier and multi-tenant capabilities through a centralized WatchGuard Cloud management platform.

WatchGuard Cloud environments easily scale from one to an unlimited number of access points across multiple locations. Access points can be grouped in many ways including location, building, floor, customers, and remote users to maintain consistent policies across a distributed network.

For more information on how to set up your access point with WatchGuard Cloud, go to watchguard.com/start.

About Your Hardware

Hardware Specifications

Hardware	Description
Processor	Qualcomm Cypress IPQ6010 Quad-core A53 1.8 GHz
Memory	<ul style="list-style-type: none">■ NOR Flash: SPI 8 MB■ NAND Flash: 256 MB■ RAM: DDR4 1 GB (x1)
Radios	<ul style="list-style-type: none">■ 2.4 GHz 2x2 802.11b/g/n/ax. Max data rate: 574 Mbps■ 5 GHz 2x2 802.11a/n/ac/ax. Max data rate: 1.2 Gbps
Antennas	<ul style="list-style-type: none">■ 2 x 2.4 GHz, 3 dBi■ 2 x 5 GHz, 3 dBi■ 1 x 2.4/5 GHz Scanning radio, 2 dBi (2.4 GHz), 3 dBi (5 GHz)
Ethernet Interfaces	<ul style="list-style-type: none">■ 1 x 10/100/1000 Mbps Gigabit Ethernet (PoE+ In LAN/Uplink) port for a wired LAN connection. This port also provides PoE+ (802.3at) power for the device.■ 3 x 10/100/1000 Mbps Gigabit Ethernet ports for a wired LAN connection■ 1 x 10/100/1000 Mbps Gigabit Ethernet port for a wired LAN connection with PoE/PSE output power (802.3af, 7W)
Power Interface	<p>PoE In: 54V DC PoE+ (802.3af/at)</p> <p>DC In: 54V DC 1A</p> <p>The access point must be connected to PoE+ (802.3at) or a power adapter to enable power on the LAN4 (PoE Out) port.</p>
Power Consumption	<p>Max 20.19W with 802.3af class 2 PSE</p> <p>Max 13.19W / 10.5 W (avg) without PSE</p>
MTBF (Mean Time Between Failures)	<p>367,953 hours at 25°C / 77°F</p> <p>192,621 hours at 40°C / 104°F</p>
Dimensions	130mm x 110mm x 34.2mm (5.12" x 4.33" x 1.34")
Weight	384 g (0.847 lb)

Environmental Requirements

To safely install your WatchGuard access point, we recommend that you:

- Install the device indoors
- Make sure the device has adequate clearance for air flow and cooling

Other environmental requirements:

Operating Temperature	0°C to 40°C (32°F to 104°F)
Operating Humidity	5% to 95% non-condensing
Non-operating Temperature	-20°C to 70°C (-4°F to 158°F)
Non-operating Humidity	0% to 95%, non-condensing

Hardware Description

The access point has connections on both the rear panel and the bottom panel of the device.

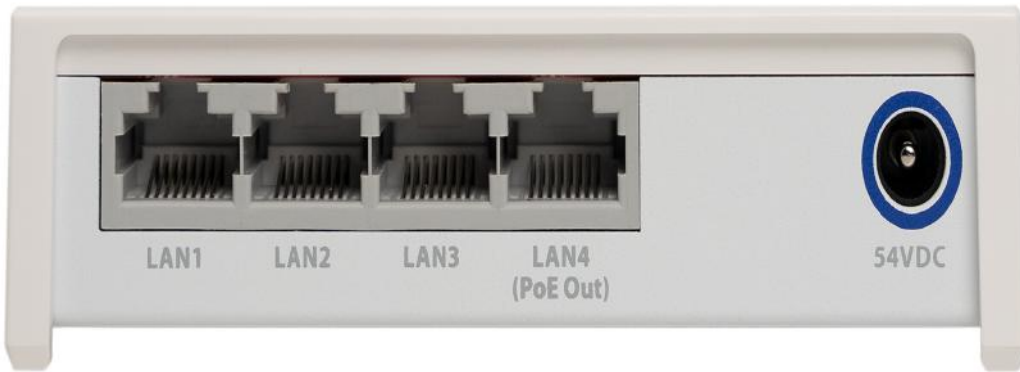
Rear Panel Connections



PoE+ IN LAN/Uplink

This is an uplink LAN port that connects the access point to a wired LAN connection through a switch or hub. This port also provides PoE+ (802.3at) power for the device.

Bottom Panel Connections



LAN1, LAN2, LAN3

These are standard RJ45 connectors that support link speeds of 10/100/1000 Mbps for a wired connection.

LAN4 (PoE Out)

This is a standard RJ45 connector that supports link speeds of 10/100/1000 Mbps for a wired connection. This port can also provide PSE/PoE (802.3af) power (7W) for another device. The access point must be connected to PoE+ (802.3at) or a power adapter to enable power on the LAN4 (PoE Out) port.

The PoE Out port is intended to power small devices such as IP-based phones, cameras, or other similar devices. WatchGuard recommends that you do not power another access point from this port.

54VDC Input

If PoE power is unavailable, you can power the device with the optional 54VDC power adapter. Before you connect the adapter, verify that the color band on the cord matches the color ring around the power plug on the access point (purple).

Side Panel



LED Indicators

The access point has LED indicators on the side of the device that shows status conditions for the device connection to WatchGuard Cloud. For more information, go to [LED Indicators](#).

Reset Button

Resets the access point to factory-default settings.

- Use a paper clip or other small object to press the reset button through the hole.
- Press and hold the reset button for up to 10 seconds until all LEDs go off to indicate that the access point is reset and has rebooted.
- If you press and hold the reset button for 5 seconds or less, the access point is restarted and is not reset to factory-default settings.

You can also reset the device from the access point command line interface (CLI). For more information, go to [Access Point Command Line Interface](#).

Mounting Bracket Screw Hole

Insert the included screw to secure the access point to the mounting bracket after installation. For more information, go to [Mount and Connect the Access Point](#).

LED Indicators

Wi-Fi in WatchGuard Cloud access points have LED indicators that can show different status conditions while booting, activation validation, feature key download, WatchGuard Cloud device registration, and the connection to WatchGuard Cloud.

The access point briefly passes through each stage until the device is connected to WatchGuard Cloud and shows a solid blue LED indicator. If the access point remains in the same state for a long period of time without a solid blue LED indicator status, there might be a network issue, activation or feature key issue, or a problem with your WatchGuard Cloud account.

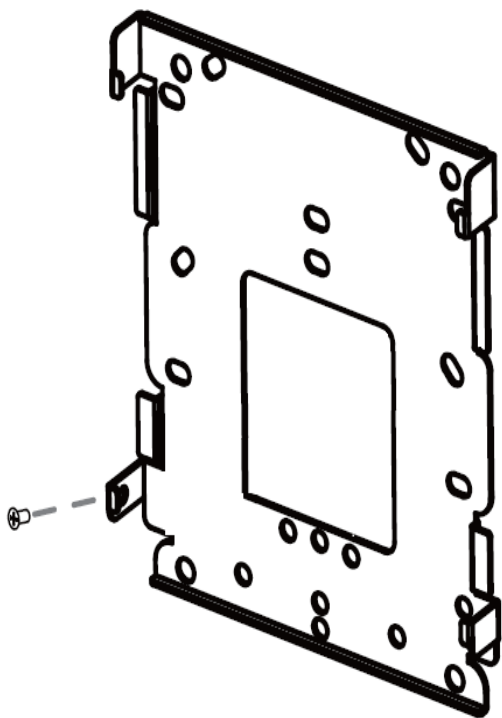
Check the following table for the status of the LED indicators and how to troubleshoot the issue.

LED Color	Status	Troubleshooting
Solid Red or Orange	Device is booting	<p>If the access point remains in this state, the access point processes might not have started, or there might be an issue with the access point firmware.</p> <ul style="list-style-type: none"> ■ Disconnect and reconnect power to reboot the access point to see whether the device connects. ■ Try to log in to the access point Web UI or command line interface (CLI) to check the device status, current firmware version, and run diagnostic tests. For more information, go to Access Point Web UI or Access Point Command Line Interface.
Flashing Red or Orange (Fast: 100 milliseconds)	Validate access point activation and download feature key	<p>If the access point remains in this state:</p> <ul style="list-style-type: none"> ■ Make sure you have activated your access point with a valid device serial number and license key in your WatchGuard account. The license key must be for a WatchGuard Standard or USP Wi-Fi license for Wi-Fi in WatchGuard Cloud. ■ Make sure the access point is connected to the network and has received an IP address from DHCP. ■ Make sure the access point can connect to <i>*.watchguard.io</i> for product activation and feature key updates. ■ If you set up an access point behind a firewall that performs inspection on HTTPS traffic, you must add <i>*.watchguard.io</i> to the content inspection exception / bypass list to enable the access point to receive a feature key from WatchGuard servers. On the WatchGuard Firebox, this is enabled by default for cloud-managed Fireboxes in WatchGuard Cloud. ■ Use the access point Web UI or command line interface (CLI) to check the feature key status, download a feature key, and run diagnostic tests. For more information, go to Access Point Web UI or Access Point Command Line Interface.
Flashing Red or Orange (Medium: 500 milliseconds)	WatchGuard Cloud device registration	<p>If the access point remains in this state:</p> <ul style="list-style-type: none"> ■ Make sure access point can connect to <i>*.watchguard.com</i> for WatchGuard Cloud device registration. ■ For service providers, make sure you have allocated the access point from your inventory to a subscriber account. For more information, see Access Point Allocation. ■ Make sure you have added the access point to your WatchGuard Cloud subscriber account. For more information, see Add an Access Point to WatchGuard Cloud

LED Color	Status	Troubleshooting
Flashing Red or Orange (Slow: 2 seconds)	Connection to WatchGuard Cloud servers	<p>If the access point remains in this state:</p> <ul style="list-style-type: none"> ■ Make sure the access point can connect to <i>*.watchguard.com</i> for WatchGuard Cloud management connections and is not blocked by a firewall or other network device. ■ Make sure you do not have an expired MSSP license for the access point. ■ Check the access point allocation status to see whether the device was deallocated from the subscriber account.
Solid Blue	Successfully connected to WatchGuard Cloud	Device is online and connected to WatchGuard Cloud.
Flashing Blue	Flash LED action from WatchGuard Cloud	LED flashes blue for 60 seconds for identification.
Flashing Blue and Red	Access point failed system integrity check	If the device LEDs flash alternating blue and red every second, the device has failed a system integrity check and has rebooted in failsafe mode. You must contact WatchGuard Support to replace the device.

Mount and Connect the Access Point

Your package includes the access point mounting bracket and bracket screw (one spare screw is included).

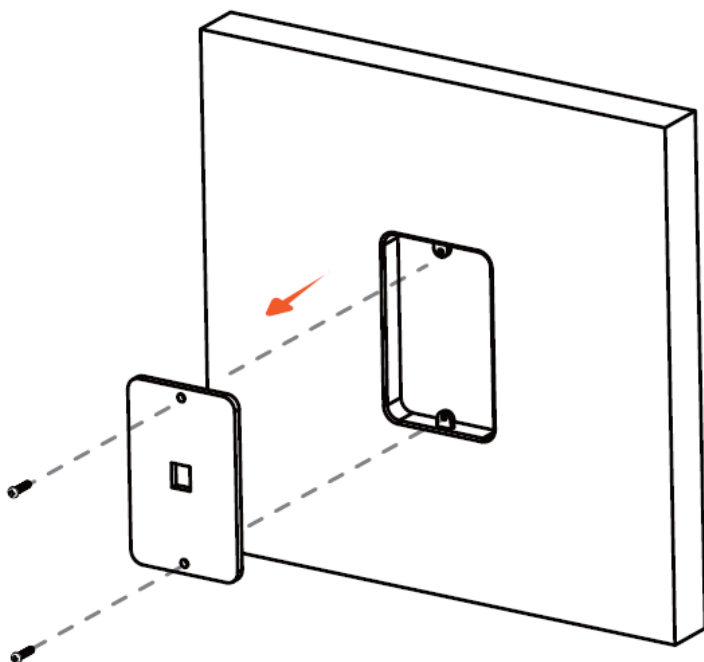


The MAC address and serial number of your access point are printed on a label on the back of the device. Make sure you record this information before you mount the device.

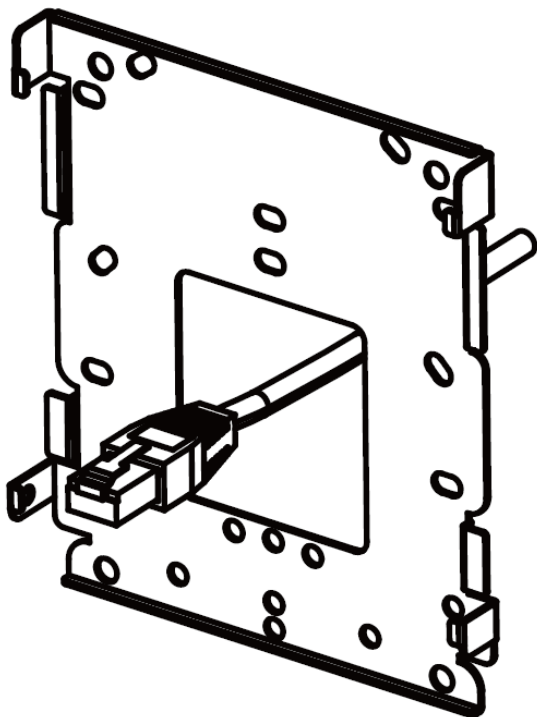
Mount the Access Point

To mount the access point on an existing wall outlet box:

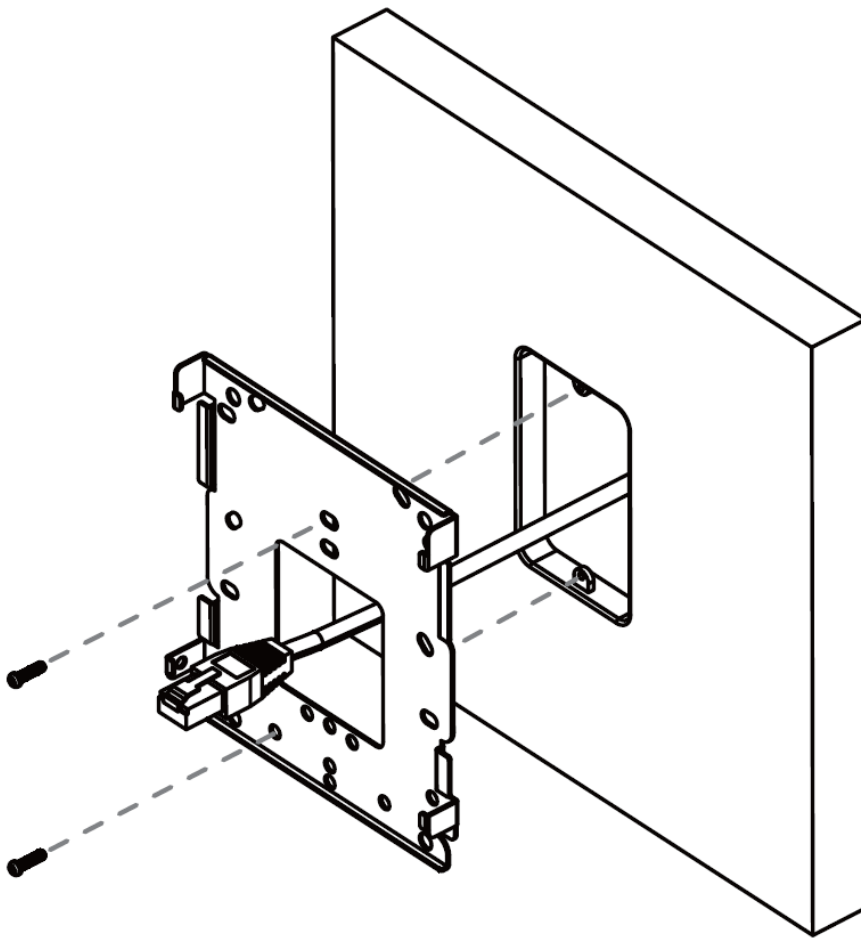
1. Remove the existing cover and screws from the wall plate of the outlet box.



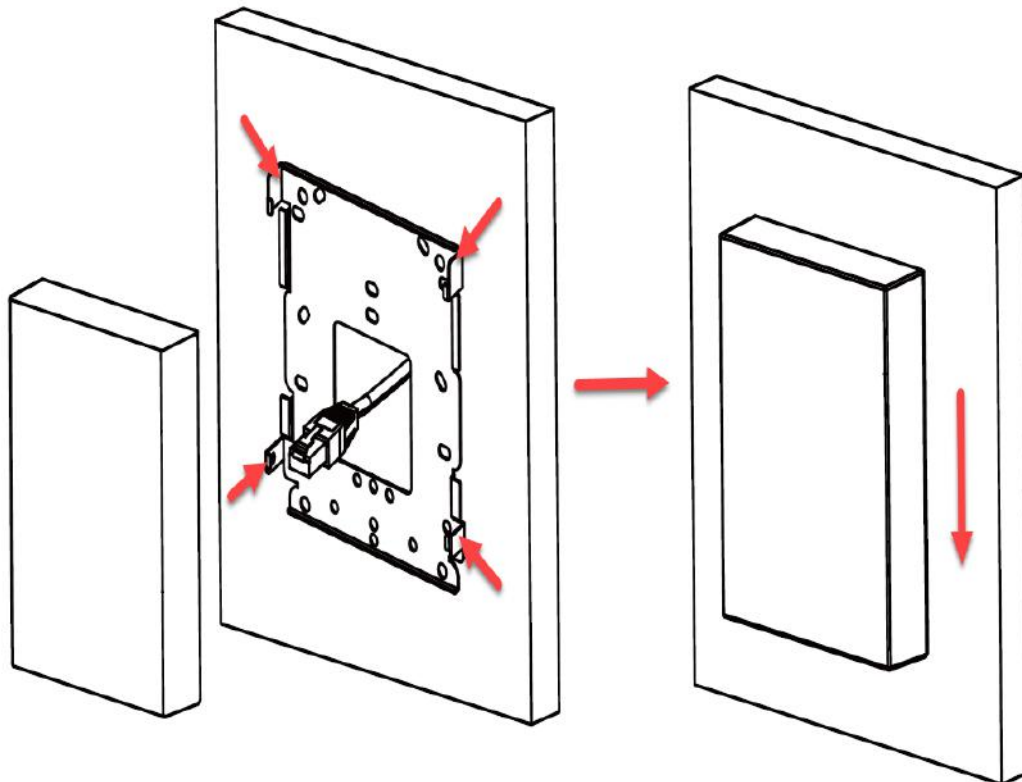
2. Pull the Ethernet network cable through the center of the mounting bracket.



3. Align the mounting bracket with the outlet box and attach the mounting bracket with the original cover screws. We recommend you use flat-head screws to make sure the access point is flush with the wall after installation.

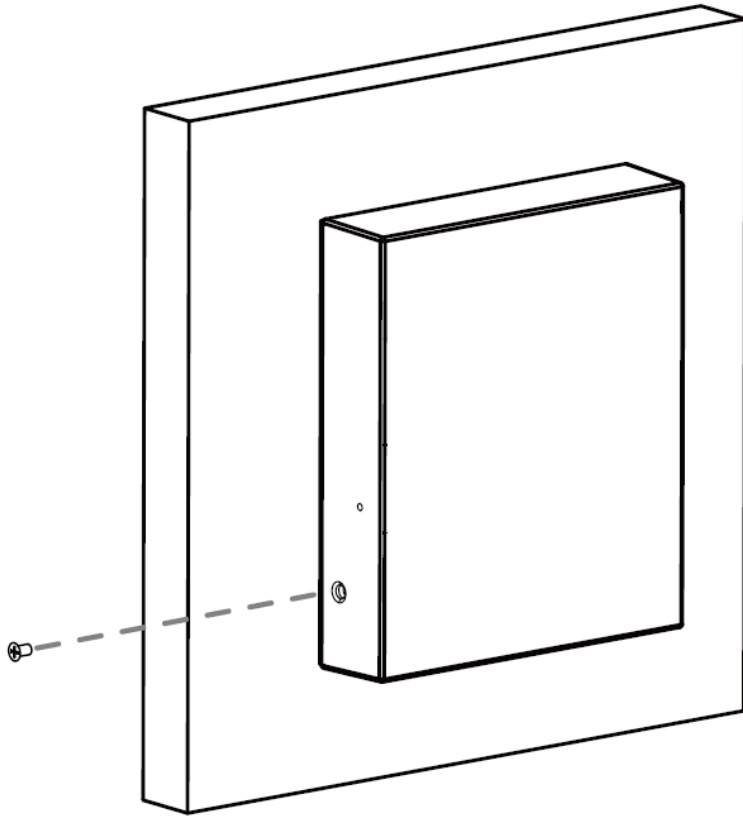


4. Connect the Ethernet cable from your network to the PoE+ IN LAN/Uplink port on the rear panel of the access point before you attach the device to the mounting bracket. Align the tabs on the mounting bracket with the slots on the rear panel of the access point, and slide the access point down onto the mounting bracket.



5. Insert the included bracket screw on the side of the access point to secure the device to the mounting

bracket (one spare screw is included).



Connect the Access Point

Connect the Ethernet cable from your network to the PoE+ IN LAN Uplink port on the rear panel of the device. Make sure the other end of the Ethernet cable is connected to your network through a hub, switch, or injector with PoE+ power enabled.

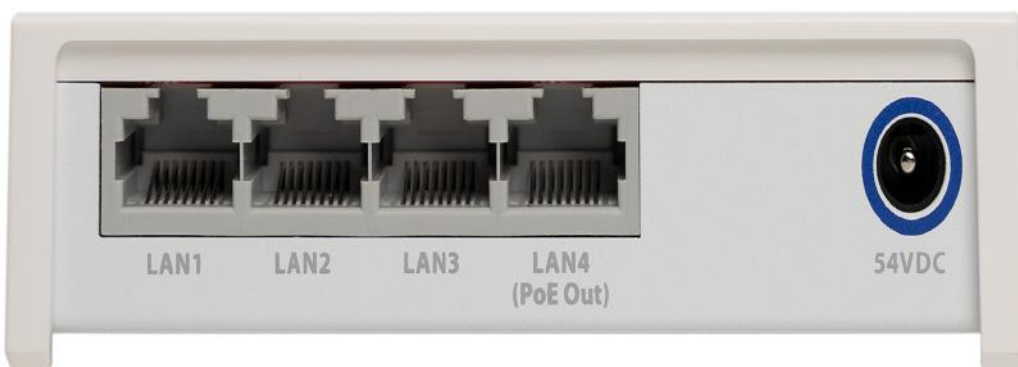


If your network does not provide PoE+ power, plug the optional power adapter into the 54VDC power port on the bottom panel of the device, then plug the power adapter into an AC power source.

The power cord and the power plug on the device are color coded. Verify that the color band on the cord matches the color ring around the power plug on the access point before you connect the adapter.

Additional LAN Ports

The access point has four additional Ethernet LAN ports for wired connectivity to connect additional devices such as printers or other peripherals. LAN4 can also provide PSE/PoE (802.3af) power to a connected device.



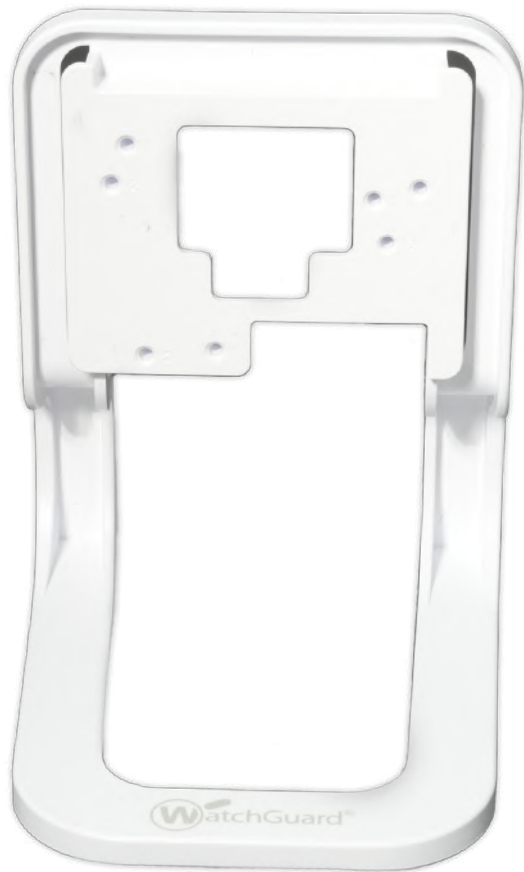
You can enable and configure these ports in the device configuration in WatchGuard Cloud. For more information, go to [Configure Access Point Network Interface Settings](#).

Access Point Free Standing Bracket

You can optionally purchase a free standing bracket for your access point:

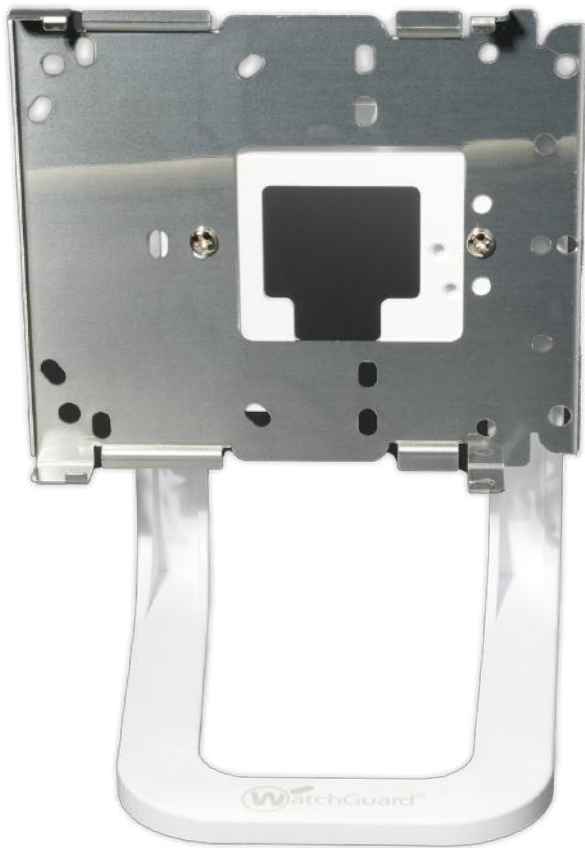
- WatchGuard AP Universal Free Standing Bracket (WG9017)

The stand enables you to safely place your access point on a desk or other flat surface if you do not want to mount the device on a wall or ceiling.



- For the AP230W, you must mount the access point to the stand in a horizontal orientation. We recommend you install the access point with the LED indicators facing upwards for visibility.

- Align and secure the included mounting bracket to the stand with screws.



- Align the tabs on the mounting bracket with the slots on the rear panel of the access point.
- Slide the access point onto the mounting bracket.



Power Adapter (Optional)

An optional AC power adapter supplies 54V DC power to the device. Before you connect the adapter, verify that the color band on the cord matches the color ring around the power plug on the access point (purple).

Do not connect this power adapter to any other WatchGuard product.

AC Power Adapter Specs	
WatchGuard Part Number	Power adapter for WatchGuard AP230W (US) (WG9028) Power adapter for WatchGuard AP230W (EU) (WG9029) Power adapter for WatchGuard AP230W (UK) (WG9030) Power adapter for WatchGuard AP230W (AUS) (WG9031)
AC Input Voltage Rating	100-240V, 50-60Hz
Output Voltage	DC 54V, 1.2A, 65W Max
Temperature	Operating: -20 - 70°C (-4 – 158°F) Storage: -30 - 80°C (-22 – 176°F)
Humidity	Operating: 5% – 90% Storage: 5% – 95%
Dimensions	110mm x 45mm x 30 mm (4.33" x 1.77" x 1.18")

Ethernet Power Injector (Optional)

You can power the access point with an optional Ethernet Power Injector. The PoE+ power injector enables you to power the access point through an existing Ethernet connection. With this device, you do not have to position your access point near a power outlet.



This device complies with IEEE 802.3at/af PoE specifications. Do not use any PoE adapters that are not IEEE 802.3at/af compliant as they may damage your device.

To connect an Ethernet Power Injector to the WatchGuard access point:

1. Plug the Ethernet Power Injector into an AC power source.
2. Connect an Ethernet cable from your network backbone (for example, a PoE-capable router, switch, or hub) to the **LAN** connector on the Ethernet Power Injector.
3. Connect an Ethernet cable from the **LAN (PoE)** Ethernet interface on the access point to the **PoE** connector on the Ethernet Power Injector.

The table provides the specifications for the power adapter.

Ethernet Power Injector Specs	
WatchGuard Part Number	802.3at PoE+ Injector with AC cord (US) (WG8599) 802.3at PoE+ Injector with AC cord (EU) (WG8600) 802.3at PoE+ Injector with AC cord (UK) (WG8601) 802.3at PoE+ Injector with AC cord (AUS) (WG8602)
Specification	IEEE 802.3at/af
AC Input Voltage Rating	100-240VAC
Input Current	0.8A max for 100VAC
Output Power	30W maximum

Ethernet Power Injector Specs	
Ethernet Interfaces	LAN: RJ-45 for 10/100/1000/2500 Mbps data POE: RJ-45 for 10/100/1000/2500 Mbps data and power Voltage: Pin4, 5:54V, Pin7, 8:Return
Indicator	Power: Green
Temperature	Operating: 0 - 40°C (32 - 104°F) Storage: -30 - 80°C (-22 - 176°F)
Humidity	5% - 90% (Operating and storage)
Dimensions	L = 99 mm (3.9") W = 68.5 mm (2.27") H = 33 mm (1.3")
Weight	149.6 g (0.33 lbs)

Notices

All WatchGuard products are designed and tested to meet strict safety requirements. These requirements include product safety approvals and other global compliance standards. Please read these instructions carefully before operating the product, and refer to them as needed to ensure the continued safe operation of your product.

For patent information, please visit <http://www.watchguard.com/patents>

Safety Warning

- Do not place objects on the power cord.
- Do not obstruct the ventilation openings. These openings prevent overheating of the machine.
- Never push objects of any kind into slots or openings on this equipment. Making a contact with a voltage point or shorting out a part may result in fire or electrical shock.
- When removing or installing an device, follow the general installation safety instructions.
- This device is for indoor use only.

Power Source Requirements

This product is intended to be supplied by a Listed Power Adapter or DC power source marked "L.P.S." (or Limited Power Source or PS2) rated 12V DC, 1A minimum, maximum ambient temperature (Tma)=40°C, or supplied by a Listed PoE Adapter marked "L.P.S." (or Limited Power Source or PS2) rated 54V DC, 0.6A minimum, maximum ambient temperature (Tma)=40°C. For more information regarding approved power sources, please contact WatchGuard Technologies.

Connect the PoE interface only to PoE networks, without routing to the outside plant.

If protective earthing is used as a safeguard, the instructions shall require connection of the equipment protective earthing conductor to the installation protective earthing conductor (for example, by means of a power cord connected to a socket-outlet with earthing connection). To meet safety and electromagnetic interference (EMI) requirements, you must make sure the power source is connected to earth ground before you connect power to the access point.

Disclaimer

WatchGuard shall not be held liable if the end user alters, modify, or repairs any WatchGuard hardware appliance.

FCC Certification (USA)

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.

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.

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

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

Operations in the 5.15-5.25 GHz band are restricted to indoor usage only. This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

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 20cm between the radiator & your body.

ISED Certification (Canada)

This device complies with ISED's licence-exempt RSSs. 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.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée 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) where applicable, antenna type(s), antenna models(s), and 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.

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) lorsqu'il y a lieu, les types d'antennes (s'il y en a plusieurs), les numéros de modèle de l'antenne et les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, énoncée à la section 6.2.2.3, doivent être clairement indiqués

Radiation Exposure Statement

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

Déclaration d'exposition aux radiations

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20cm de distance entre la source de rayonnement et votre corps.

For indoor use only.

Pour une utilisation en intérieur uniquement.

European Union (CE)

This device complies with the essential requirements of the RED Directive 2014/53/EU. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the RED Directive 2014/53/EU:

EN IEC 62368-1:2020+A11:2020

Safety of Information Technology Equipment (ITE)

EN 55032:2015/A1:2020

Electromagnetic compatibility of multimedia equipment - Emission requirements.

EN 55035: 2017/A11:2020

Electromagnetic compatibility of multimedia equipment - Immunity requirements.

EN IEC 61000-3-2:2019/A1:2021

Limits for harmonic current emissions.

EN 61000-3-3:2013/A2:2021

Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection.

EN IEC 62311:2020

Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz).

EN 301 489-1 V2.2.3 (2019-11)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electro Magnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

EN 301 489-17 v3.2.4 (2020-09)

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for Broadband Data Transmission Systems

EN 300 328 V2.2.2 (2019-07)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2.4 GHz ISM band and using wide band modulation techniques; Harmonized EN covering the essential requirements of article 3.2 of the RED Directive

EN 301 893 v2.1.1 (2017-05)

Broadband Radio Access Networks (BRAN); 5 GHz high performance RLAN; Harmonized EN covering the essential requirements of article 3.2 of the RED Directive

This device has software that cannot affect compliance with the Radio Equipment Directive (RED) 2014/53/EU, even if the software is changed or replaced.


This device is a 5 GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries, except in France and Italy where restrictive use applies.

This device is restricted to indoor use when operating in the 5150 to 5350 MHz frequency range in the indicated countries.

Dieses Gerät verfügt über Software, die die Einhaltung der Richtlinie über Funkanlagen (RED) 2014/53/EU nicht beeinträchtigen kann, selbst wenn die Software geändert oder ersetzt wird.

Dieses Gerät ist ein 5-GHz-Breitband-Übertragungssystem (Transceiver), das für die Verwendung in allen EU-Mitgliedstaaten und EFTA-Ländern bestimmt ist, außer in Frankreich und Italien, wo eine eingeschränkte Verwendung gilt.

Dieses Gerät ist auf die Verwendung in Innenräumen beschränkt, wenn es in den angegebenen Ländern im Frequenzbereich von 5150 bis 5350 MHz betrieben wird.

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

Frequency Range	Maximum Output Power (EIRP)
2412 - 2472 MHz	19.77 dBm
5180 - 5240 MHz	22.81 dBm
5260 - 5320 MHz	22.83 dBm
5500 - 5700 MHz	26.34 dBm

Declaration of Conformity

WatchGuard Technologies, Inc.
255 S. King St., Suite 1100
Seattle, WA 98104 USA

WatchGuard Technologies Inc. hereby declares that the product(s) listed below conform to the European Union directives and standards identified in this declaration.

Product(s):

802.11a/b/g/n/ac/ax Access Point, AP230W

EU Directive(s):

Low Voltage (2014/35/EU)
Electromagnetic Compatibility (2014/30/EU)
Energy-related Products (2009/125/EC)
RoHS (2011/65/EU and 2015/863/EU RoHS)
WEEE Directive 2012/19/EU
The Radio Equipment Directive (2014/53/EU)

Common Standard(s):

EN IEC 62368-1:2020+A11:2020 Safety for ITE
EN 55032:2015/A1:2020
EN 55035: 2017/A11:2020
EN IEC 61000-3-2:2019/A1:2021 Harmonics
EN 61000-3-3:2013/A2:2021 Flicker

Wireless Standard(s):

EN IEC 62311:2020
EN 301 489-1 v2.2.3 (2019-11) EMC and Radio Spectrum Matters
EN 301 489-17 v3.2.4 (2020-09) EMC and Radio Spectrum Matters
EN 300 328 v2.2.2 (2019-07) Radio Spectrum Matters
EN 301 893 v2.1.1 (2017-05) Broadband Radio Access Networks

This device complies with Directive 2014/53/EU issued by the Commission of the European Community.

Manufacturer / Hersteller: WatchGuard Technologies
255 S. King St. Suite 1100, Seattle, WA 98104 USA
Radio Equipment / Funkanlage: 802.11a/b/g/n/ac/ax Access Point
Type Designation / Typenbezeichnung: AP230W
Specifications / Technische Daten: 802.11a/b/g/n/ac/ax (2.4GHz & 5GHz)
Intended Purpose / Verwendungszweck: Cloud managed wireless indoor access point
Software Version / Softwareversion: 2.0 and higher, Cloud managed
Equipment Class / Betriebsmittel der Klasse: Class II
Operating temperature / Betriebstemperatur: 0° C to 40° C

The above device complies with the essential requirements and other relevant provisions to Directive 2014/53/EU when used for its intended purpose. This equipment may be operated in the USA, Canada, & Europe Union. This device has software that cannot affect compliance with the Radio Equipment Directive (RED) 2014/53/EU, even if the software is changed or replaced.

Die oben genannten Gerät entspricht den grundlegenden Anforderungen und anderen relevanten Bestimmungen der Richtlinie 2014/53/EU, wenn für den vorgesehenen Zweck verwendet werden. Dieses Gerät ist für die Verwendung in den USA, Kanada, and Europäische Union. Dieses Gerät verfügt über Software, die die Einhaltung der Richtlinie über Funkanlagen (RED) 2014/53/EU nicht beeinträchtigen kann, selbst wenn die Software geändert oder ersetzt wird.

Signature

Laurence Huang



Full Name: Laurence Huang
Position: Hardware Program Manager
Date and Place of Issue: July 25, 2023, Seattle, WA, USA

A full list of safety approvals, global compliance standards, and certifications can be found in the Hardware Guide for this device located on the WatchGuard website: <https://www.watchguard.com/ward-help/documentation/hardware-guides>

Български	Този продукт е в съответствие с Директива 2014/53/ЕС.
Česky	Tento produkt je v souladu se směrnicí 2014/53/EU.
Dansk	Dette produkt er i overensstemmelse med direktiv 2014/53/EU.
Deutsch	Dieses Produkt entspricht der Richtlinie 2014/53/EU.
Eesti	See toode vastab direktiivile 2014/53/EL.
English	This product is in compliance with Directive 2014/53/EU.
Español	Este producto cumple con la Directiva 2014/53/UE.
Ελληνική	Το προϊόν αυτό συμμορφώνεται με την Οδηγία 2014/53/ΕΕ.
Français	Ce produit est conforme à la Directive 2014/53/UE.
Hrvatski	Ovaj proizvod je u skladu s Direktivom 2014/53/EU.

Italiano	Questo prodotto è conforme alla Direttiva 2014/53/EU.
Latviski	Šis produkts atbilst Direktīvai 2014/53/EU.
Lietuvių	Šis gaminys atitinka direktyvą 2014/53/ES.
Malti	Dan il-prodott huwa konformi mad-Direttiva 2014/53/UE.
Magyar	Ez a termék megfelel a 2014/53/EU irányelvnek.
Nederlands	Dit product is in overeenstemming met Richtlijn 2014/53/EU.
Norsk	Dette produktet er i samsvar med direktiv 2014/53/EU.
Polski	Ten produkt jest zgodny z dyrektywą 2014/53/UE.
Português	Este produto está em conformidade com a Diretiva 2014/53/UE.
Rumunski	Acest produs este în conformitate cu Directiva 2014/53/UE.
Slovensky	Tento produkt je v súlade so smernicou 2014/53/EÚ.
Slovensko	Ta izdelek je v skladu z Direktivo 2014/53/EU.
Suomi	Tämä tuote on direktiivin 2014/53/EU mukainen.
Svenska	Denna produkt överensstämmer med direktiv 2014/53/EU.

Brazil ANATEL Notice

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

Mexico NOM Notice

La operación de este equipo está sujeta a las siguientes dos condiciones:

- (i) es posible que este equipo o dispositivo no cause interferencia perjudicial y
- (ii) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Japan Statement

この装置には、電波法に基づく技術規則適合証明書の認定を受けた特定の無線装置が含まれています。

Japan VCCI Class B Statement

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づくクラス B 情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。取扱説明書に従って正しい取り扱いをして下さい。

Taiwan NCC Statement

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

應避免影響附近雷達系統之操作。

本產品電磁波曝露量(MPE)標準值1mW/cm²，送測產品實測值為0.571 mW/cm²，建議使用時至少距離人體23cm。

[警語內容]

本器材須經專業工程人員安裝及設定，始得設置使用，且不得直接販售給一般消費。

RoHS Statement

The Restriction of Hazardous Substances 2.0 (RoHS 2.0) in Electrical and Electronic Equipment Directive was passed into law by the European Union (EU). It affects manufacturers, sellers, distributors and recyclers of electrical and electronic equipment containing lead, cadmium, mercury, hexavalent chrome, polybrominated diphenylether (PBDE), polybrominated biphenyl (PBB), Bis (2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP). After June 4, 2015 the use of these materials are banned in new products sold in Europe.

WatchGuard declares that all products listed herein comply with European Union RoHS Directive (RoHS 2.0 2011/65/EU and 2015/863/EU) requirements taking the following Annex III exemptions: [stating the list of exemptions, 6(c) ,7(a) ,7(C)-1].

Access Points: AP130, AP230W, AP330, AP332CR, AP430CR, AP432

Firebox: N5V, T25, T25-W, T45, T45-PoE, T45-W-PoE, T45-CW, T85-PoE, M290, M390, M590, M690

Substances Listed	Limit
Cadmium(Cd)	≤ 0.01% (100 ppm)
Hexa-valent Chromium (Cr6+)	≤ 0.1% (1000 ppm)
Lead (Pb)	≤ 0.1% (1000 ppm) *
Mercury (Hg)	≤ 0.1% (1000 ppm)
Polybrominated biphenyls (PBB)	≤ 0.1% (1000 ppm)
Polybrominated diphenylethers (PBDE or PBDE)	≤ 0.1% (1000 ppm)
Bis (2-ethylhexyl) phthalate (DEHP)	≤ 0.1% (1000 ppm)
Butyl benzyl phthalate (BBP)	≤ 0.1% (1000 ppm)
Dibutyl phthalate (DBP)	≤ 0.1% (1000 ppm)
Diisobutyl phthalate (DIBP)	≤ 0.1% (1000 ppm)

* (contains Lead > 0.1% by weight because of exempted applications)

7a lead in high melting temperature type solders (i.e. lead based alloys containing 85 % by weight or more lead)

7(c) I. Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezo electronic devices, or in a glass or ceramic matrix compound.

WEEE Statement

WatchGuard asks that all our products to be recycled at the end of their current use to comply with local waste compliance requirements.

WatchGuard supports the EU Waste Electrical and Electronic Equipment (WEEE) Directive (2012/19/EU). That means that WEEE may not be disposed as unsorted municipal waste but is to be collected separately.

WatchGuard products are therefore labeled with this symbol:



The WEEE symbol on your WatchGuard equipment indicates that it should not be disposed of by the end user with unsorted municipal waste, but in a manner consistent with required EU Directives, and the local transposition of the Directive in the end user's jurisdiction. The symbol is placed per CENELEC standard EN50419.

WEEE may contain hazardous substances which may negatively affect the environment and human health when disposed of through normal channels. Batteries that are not enclosed in the waste equipment must be separated from it and disposed of separately before being handed in at a collection point. Old batteries, and in certain cases also the waste equipment, can likewise be returned free of charge to the point of sale. You are responsible for deleting any personal data on the waste equipment. WatchGuard is committed to reduce the negative environmental and human health effects of WEEE which will help prevent potential negative consequences for the environment and human health. If you are a consumer please use your local recycling option. This is usually your municipal refuse site.

Limited Hardware Warranty

This Limited Hardware Warranty (the "Warranty") applies to the enclosed hardware product, not including any associated software, which is licensed pursuant to a separate end-user license agreement and warranty (the "Product"). BY USING THE PRODUCT, YOU (either an individual or a single entity) AGREE TO THE TERMS HEREOF.

If you do not agree to these terms, please return this package, along with proof of purchase, to the authorized dealer from which you purchased it for a full refund. WatchGuard Technologies, Inc. ("WatchGuard") and you agree as set forth below or on the reverse side of this card, as applicable.

1. **LIMITED WARRANTY.** WatchGuard warrants that upon delivery and for one (1) year thereafter (the "Warranty Period"): (a) the Product will be free from material defects in materials and workmanship, and (b) the Product, when properly installed and used for its intended purpose and in its intended operating environment, will perform substantially in accordance with WatchGuard applicable specifications.

This warranty does not apply to any Product that has been: (i) altered, repaired or modified by any party other than WatchGuard except for the replacement or inclusion of specified components authorized in, and performed in strict accordance with, documentation provided by WatchGuard; or (ii) damaged or destroyed by force majeure events, accidents, power spikes or similar events or by any intentional, reckless or negligent acts or omissions of any party. You may have additional warranties with respect to the Product from the manufacturers of Product components. However, you agree not to look to WatchGuard for, and hereby release WatchGuard from any liability for, performance of, enforcement of, or damages or other relief on account of, any such warranties or any breach thereof.

2. **REMEDIES.** If any Product does not comply with the WatchGuard warranties set forth in Section 1 above, WatchGuard will, following the receipt of the product you claim is defective and at its option, either (a) repair the Product, or (b) replace the Product with a like or similar product; provided, that you will be responsible for returning the Product and for all costs of shipping and handling. Repair or replacement of the Product shall not extend the Warranty Period. Any Product, component, part or other item replaced by WatchGuard becomes the property of WatchGuard. WatchGuard shall not be responsible for return of or damage to any software, firmware, information or data contained in, stored on, or integrated with any returned Products.
3. **DISCLAIMER AND RELEASE.** THE WARRANTIES, OBLIGATIONS AND LIABILITIES OF WATCHGUARD, AND YOUR REMEDIES, SET FORTH IN PARAGRAPHS 1 AND 2 ABOVE ARE EXCLUSIVE AND IN SUBSTITUTION FOR, AND YOU HEREBY WAIVE, DISCLAIM AND RELEASE ANY AND ALL OTHER WARRANTIES, OBLIGATIONS AND LIABILITIES OF WATCHGUARD AND ALL OTHER RIGHTS, CLAIMS AND REMEDIES YOU MAY HAVE AGAINST WATCHGUARD, EXPRESS OR IMPLIED, ARISING BY LAW OR OTHERWISE, WITH RESPECT TO ANY NONCONFORMANCE OR DEFECT IN THE PRODUCT (INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ANY IMPLIED WARRANTY ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING, OR USAGE OF TRADE, ANY WARRANTY OF NONINFRINGEMENT, ANY WARRANTY OF UNINTERRUPTED OR ERROR-FREE OPERATION, ANY OBLIGATION, LIABILITY, RIGHT, CLAIM OR REMEDY IN TORT, WHETHER OR NOT ARISING FROM THE NEGLIGENCE (WHETHER ACTIVE, PASSIVE OR IMPUTED) OR FAULT OF WATCHGUARD OR FROM PRODUCT LIABILITY, STRICT LIABILITY OR OTHER THEORY, AND ANY OBLIGATION, LIABILITY, RIGHT, CLAIM OR REMEDY FOR LOSS OR DAMAGE TO, OR CAUSED BY OR CONTRIBUTED TO BY, THE PRODUCT).

4. **LIMITATION AND LIABILITY.** WATCHGUARD'S LIABILITY (WHETHER ARISING IN CONTRACT (INCLUDING WARRANTY), TORT (INCLUDING ACTIVE, PASSIVE OR IMPUTED NEGLIGENCE AND STRICT LIABILITY AND FAULT) OR OTHER THEORY) WITH REGARD TO ANY PRODUCT WILL IN NO EVENT EXCEED THE PURCHASE PRICE PAID BY YOU FOR SUCH PRODUCT. THIS SHALL BE TRUE EVEN IN THE EVENT OF THE FAILURE OF ANY AGREED REMEDY. IN NO EVENT WILL WATCHGUARD BE LIABLE TO YOU OR ANY THIRD PARTY (WHETHER ARISING IN CONTRACT (INCLUDING WARRANTY), TORT (INCLUDING ACTIVE, PASSIVE OR IMPUTED NEGLIGENCE AND STRICT LIABILITY AND FAULT) OR OTHER THEORY) FOR COST OF COVER OR FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOSS OF PROFITS, BUSINESS, OR DATA) ARISING OUT OF OR IN CONNECTION WITH THIS WARRANTY OR THE USE OF OR INABILITY TO USE THE PRODUCT, EVEN IF WATCHGUARD HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THIS SHALL BE TRUE EVEN IN THE EVENT OF THE FAILURE OF ANY AGREED REMEDY.
5. **MISCELLANEOUS PROVISIONS.** This Warranty will be governed by the laws of the state of Washington, U.S.A., without reference to its choice of law rules. The provisions of the 1980 United Nations Convention on Contracts for the International Sales of Goods, as amended, shall not apply. You agree not to directly or indirectly transfer the Product or use of the product or associated documentation to any country to which such transfer would be prohibited by the U.S. Export laws and regulations. If any provision of this Warranty is found to be invalid or unenforceable, then the remainder shall have full force and effect and the invalid provision shall be modified or partially enforced to the maximum extent permitted by law to effectuate the purpose of this Warranty. This is the entire agreement between WatchGuard and you relating to the Product, and supersedes any prior purchase order, communications, advertising or representations concerning the Product AND BY USING THE PRODUCT YOU AGREE TO THESE TERMS. IF THE PRODUCT IS BEING USED BY AN ENTITY, THE INDIVIDUAL INDICATING AGREEMENT TO THESE TERMS BY USING THE PRODUCT REPRESENTS AND WARRANTS THAT (A) SUCH INDIVIDUAL IS DULY AUTHORIZED TO ACCEPT THE WARRANTY ON BEHALF OF THE ENTITY AND TO BIND THE ENTITY TO THE TERMS OF THIS WARRANTY; (B) THE ENTITY HAS THE FULL POWER, CORPORATE OR OTHERWISE, TO ENTER INTO THE WARRANTY AND PERFORM ITS OBLIGATIONS UNDER THE WARRANTY AND; (C) THE WARRANTY AND THE PERFORMANCE OF THE ENTITY'S OBLIGATIONS UNDER THE WARRANTY DO NOT VIOLATE ANY THIRD-PARTY AGREEMENT TO WHICH THE ENTITY IS A PARTY.
- No change or modification of the Warranty will be valid unless it is in writing and is signed by WatchGuard.

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