WatchGuard
AP125
Hardware Guide

AP125
Access Point
About This Guide

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About WatchGuard

WatchGuard® Technologies, Inc. is a global leader in network security, providing best-in-class Unified Threat Management, Next Generation Firewall, secure Wi-Fi, and network intelligence products and services to more than 75,000 customers worldwide. The company’s mission is to make enterprise-grade security accessible to companies of all types and sizes through simplicity, making WatchGuard an ideal solution for Distributed Enterprises and SMBs. WatchGuard is headquartered in Seattle, Washington, with offices throughout North America, Europe, Asia Pacific, and Latin America. To learn more, visit WatchGuard.com.

For additional information, promotions and updates, follow WatchGuard on Twitter, @WatchGuard on Facebook, or on the LinkedIn Company page. Also, visit our InfoSec blog, Secplicity, for real-time information about the latest threats and how to cope with them at www.secplicity.org.

Address

505 Fifth Avenue South
Suite 500
Seattle, WA 98104

Support

www.watchguard.com/support
U.S. and Canada +877.232.3531
All Other Countries +1.206.521.3575

Sales

U.S. and Canada +1.800.734.9905
All Other Countries +1.206.613.0895
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WatchGuard AP125 Hardware Guide

WatchGuard AP125 devices are intended for low density environments such as small restaurants, distributed remote office spaces, small meeting rooms, and small-footprint retail. The AP125 features 2x2 MU-MIMO 802.11ac Wave 2 capabilities with dual concurrent 5 GHz and 2.4 GHz radios that support data rates of up to 876 Mbps and 300 Mbps respectively.

Requirements

There are two ways you can manage your AP125:

Total Wi-Fi and Secure Wi-Fi with WatchGuard Wi-Fi Cloud

A powerful cloud-based enterprise wireless management solution for AP configuration, security, and monitoring.

Basic Wi-Fi with WatchGuard Firebox Gateway Wireless Controller

Local management, configuration, security, and monitoring of APs directly from your WatchGuard Firebox. The WatchGuard Firebox requires Fireware v12.1.3 and higher.
About Your Hardware

Hardware Specifications

This table shows the hardware specifications for the AP125.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor and RAM</td>
<td>Qualcomm IPQ4028 717 MHz quad-core ARM processor with 256 MB RAM and 64 MB Flash</td>
</tr>
</tbody>
</table>
| Radio Type and Frequency Band | 2.4GHz, 802.11b/g/n. Max data rate: 300 Mbps  
5GHz, 802.11a/n/ac. Max data rate: 876 Mbps |
| Antenna                    | 4 integrated omnidirectional antennas  
- 2 antennas: 2.4GHz radio  
- 2 antennas: 5GHz radio |
| Ethernet Interface         | 1 x 10/100/1000 Mbps Gigabit Ethernet (LAN2) 802.3af PoE  
1 x 10/100/1000 Mbps Gigabit Ethernet (LAN1) for a wired extension of an SSID or link aggregation. |
| Power Interface            | Power over Ethernet: 802.3af (PoE)  
PoE input voltage 48V, Class 0  
DC jack: 12V DC input, 1.5A (5.5mm overall diameter/2.1mm center pin/hole) |
| Power Consumption          | Max: 12.95 W  
Min: 2.7 W  
Average: 11 W |
| MTBF Rating                | 2,080,309 hours at 25°C  
952,320 hours at 45°C |
| Dimensions                 | L = 148 mm (5.8")  
W = 148 mm (5.8")  
H = 33 mm (1.3") |
| Weight                     | 237 g (0.522 lb) |
Environmental Requirements

To safely install your WatchGuard AP, we recommend that you:

- Install the device indoors.
- Make sure the device has adequate clearance for air flow and cooling.
- Connect it to a surge-protected power supply to prevent damage from sudden power changes.

Other environmental requirements:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>0°C to 45°C (32°F to 113°F)</td>
</tr>
<tr>
<td><strong>Operating Humidity</strong></td>
<td>0% to 95% non-condensing</td>
</tr>
<tr>
<td><strong>Non-operating Temperature</strong></td>
<td>-20°C to 65°C (-4°F to 149°F)</td>
</tr>
<tr>
<td><strong>Non-operating Humidity</strong></td>
<td>5% to 95%, non-condensing</td>
</tr>
</tbody>
</table>
Hardware Description

Device Connections and Buttons

This table shows the device connections and buttons on the AP125.

**Ethernet Network Interfaces**

LAN2/PoE: Standard RJ45 connector that supports link speeds of 10/100/1000 Mbps and PoE connectivity.

LAN1: Standard RJ45 connector that supports link speeds of 10/100/1000 Mbps. When managed by Wi-Fi Cloud, you can configure this LAN interface as a wired extension for an SSID or for link aggregation. For more information, see the WatchGuard Wi-Fi Cloud Help.

For APs managed locally by a Gateway Wireless Controller with Fireware v12.2.1 and higher, you can bridge together the LAN ports on AP models that have two LAN interfaces. This enables you to extend the wired network on the second LAN interface. For more information, see the Fireware Help.

**Power Input (DC IN)**

You can power the WatchGuard AP125 with 802.3af PoE on the LAN2 (PoE) interface.

You can also power the device with an optional AC power adapter.
Reset Button

Resets the WatchGuard AP to factory-default settings. You must use a paper clip or other small object to press the reset button through the hole.

To reset the device to factory-default settings, while the AP is powered on, press and hold the reset button for up to 10 seconds until all LEDs go off to indicate that the AP has rebooted.

If you press the reset button while the AP is not powered on or is booting, the reset button will have no effect.
Device Indicators

The LED device indicators on the top of the front panel show the status of the AP.

Device Indicators in AP Firmware 8.8.1 and Higher

<table>
<thead>
<tr>
<th>LED</th>
<th>Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>Off</td>
<td>Powered off</td>
</tr>
<tr>
<td></td>
<td>Solid Green</td>
<td>Powered on</td>
</tr>
<tr>
<td></td>
<td>Flashing Green</td>
<td>Not connected to Wi-Fi Cloud or paired with a Gateway Wireless Controller</td>
</tr>
<tr>
<td></td>
<td></td>
<td>No IP address received from DHCP</td>
</tr>
<tr>
<td>LAN1 and LAN2/PoE</td>
<td>Off</td>
<td>No Ethernet link</td>
</tr>
</tbody>
</table>
### Device Indicators in AP Firmware 8.8.0 and Lower

<table>
<thead>
<tr>
<th>LED</th>
<th>Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>Off</td>
<td>Powered off</td>
</tr>
<tr>
<td></td>
<td>Solid green</td>
<td>Powered on</td>
</tr>
<tr>
<td>LAN1</td>
<td>Off</td>
<td>No Ethernet link</td>
</tr>
<tr>
<td></td>
<td>Solid amber</td>
<td>Connected to LAN1 port at 10/100/1000 Mbps</td>
</tr>
<tr>
<td></td>
<td>Flashing amber</td>
<td>Activity on LAN1 port</td>
</tr>
<tr>
<td>LAN2 (PoE)</td>
<td>Off</td>
<td>No Ethernet link</td>
</tr>
<tr>
<td></td>
<td>Solid green</td>
<td>Connected to LAN2 (PoE) port at 10/100/1000 Mbps</td>
</tr>
<tr>
<td></td>
<td>Fast flash green</td>
<td>Did not receive valid IP address from DHCP</td>
</tr>
<tr>
<td></td>
<td>Slow flash green</td>
<td>Cannot connect to Wi-Fi Cloud or Gateway Wireless Controller.</td>
</tr>
<tr>
<td></td>
<td>Flashing green</td>
<td>Activity on LAN2 (PoE) port</td>
</tr>
<tr>
<td>2.4 GHz</td>
<td>Solid green</td>
<td>Client connected to 2.4 GHz radio</td>
</tr>
<tr>
<td></td>
<td>Flashing green</td>
<td>Activity on 2.4 GHz radio</td>
</tr>
<tr>
<td>5 GHz</td>
<td>Solid green</td>
<td>Client connected to 5 GHz radio</td>
</tr>
<tr>
<td></td>
<td>Flashing green</td>
<td>Activity on 5 GHz radio</td>
</tr>
</tbody>
</table>
Mounting Instructions

Your package includes the AP125 and a T-rail mounting bracket.

Use the included mounting bracket (15/16", 24mm, Part #: WG8027) to install the AP125 on a ceiling with a T-rail.

Optional T-rail mount brackets are available from WatchGuard:

- 9/16" T-rail mount, 15mm, Part #: WG8026
- Interlude/Silhouette T-rail mount, 15mm, Part #: WG8021
To install the AP125 on a ceiling with a T-rail:

1. Put the first mounting post on the back of the AP over the lower bracket notch and rotate into place.

2. Make sure that all the mounting posts on the back of the AP are securely positioned in their bracket notches.

3. To attach the bracket to the T-rail, rotate the bracket so it is parallel to the T-rail, and snap the bracket on the T-rail.
Flat Surface Bracket (Optional)

An optional surface mount bracket for walls or ceilings is available from WatchGuard (Part #: WG8040).

1. Pull the release key outward to unlock the mount bracket.
2. Attach the bracket to the mounting surface with screws (not included).
3. Attach the AP stubs to the bracket holders. You may need to adjust the AP stubs for a firm fit.
4. Push in the release key to lock the hooks. Make sure all hooks are locked in place.

5. Use a T10 screwdriver to fasten the included screw to the release key to lock the AP to the bracket.
Connect the AP

To power on and connect the AP125 to the network with PoE:

1. Connect one end of the network interface cable to the LAN2/PoE port on the AP125.
2. Connect the other end of the network interface cable to an Ethernet jack that provides PoE power.

To connect the AP125 to the network and to power on the AP with a power adapter:

1. Connect one end of the network interface cable to the LAN2/PoE port on the AP125.
2. Connect the other end of the network interface cable to an Ethernet network jack.
3. Plug the power adapter cable into the 12V DC power receptacle on the back of the AP125.
4. Plug the power adapter into an 100V-240V 50/60 Hz AC power source.

Connect the AP for Link Aggregation

With WatchGuard Wi-Fi Cloud, you can use both Ethernet ports of the AP125 for link aggregation that enables these ports to logically merge into a single link for higher aggregate bandwidth.

You must enable link aggregation in a device template for the AP125, and link aggregation must also be enabled on your network switch for the two ports connected to your AP. Both links should use CAT6 Ethernet cabling.

Make sure that PoE power is supplied to the indicated Ethernet port labeled LAN2 (PoE) on the AP125.
Ethernet Power Injector (Optional)

You can power your WatchGuard AP with an optional Ethernet Power Injector. This PoE+ capable device enables you to power the WatchGuard AP through an existing Ethernet connection. With this feature, you do not have to position your WatchGuard AP 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 AP:
1. Plug the Ethernet Power Injector into an AC power source.
2. Connect an Ethernet cable from your network backbone (for example, a router, switch, or hub) to the LAN connector on the Ethernet Power Injector.
3. Connect an Ethernet cable from the LAN2 (PoE) Ethernet interface on the AP to the PoE connector on the Ethernet Power Injector.

The table below provides the specifications for the Ethernet PoE injector.

<table>
<thead>
<tr>
<th>Ethernet Power Injector Specs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WatchGuard Part Number</strong></td>
</tr>
<tr>
<td>802.3at PoE+ Injector with AC cord (US/FCC) (WG8599)</td>
</tr>
<tr>
<td>802.3at PoE+ Injector with AC cord (CE) (WG8600)</td>
</tr>
<tr>
<td>802.3at PoE+ Injector with AC cord (UK) (WG8601)</td>
</tr>
<tr>
<td>802.3at PoE+ Injector with AC cord (AUS) (WG8602)</td>
</tr>
<tr>
<td><strong>Specification</strong></td>
</tr>
<tr>
<td>IEEE 802.3at/af</td>
</tr>
<tr>
<td><strong>AC Input Voltage Rating</strong></td>
</tr>
<tr>
<td>100-240VAC</td>
</tr>
<tr>
<td>Ethernet Power Injector Specs</td>
</tr>
<tr>
<td>---------------------------------------</td>
</tr>
<tr>
<td><strong>Input Current</strong></td>
</tr>
<tr>
<td><strong>Output Power</strong></td>
</tr>
<tr>
<td><strong>Ethernet Interfaces</strong></td>
</tr>
<tr>
<td>LAN: RJ-45 for 10/100/1000/2500 Mbps data</td>
</tr>
<tr>
<td>POE: RJ-45 for 10/100/1000/2500 Mbps data and power</td>
</tr>
<tr>
<td>Voltage: Pin4, 5:54V, Pin7, 8:Return</td>
</tr>
<tr>
<td><strong>Indicator</strong></td>
</tr>
<tr>
<td><strong>Temperature</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Humidity</strong></td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong></td>
</tr>
</tbody>
</table>
AC Power Adapter

An optional AC power adapter supplies 12V DC power to the WatchGuard AP and includes US, EU, UK, and AU region-specific adapter plugs.

<table>
<thead>
<tr>
<th>AC Power Adapter Specs</th>
</tr>
</thead>
<tbody>
<tr>
<td>WatchGuard Part Number</td>
</tr>
<tr>
<td>AC Input Voltage Rating</td>
</tr>
<tr>
<td>Output Voltage</td>
</tr>
<tr>
<td>Region Specific Adapter Plugs</td>
</tr>
<tr>
<td>Temperature</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Humidity</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
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 Notices

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

Product Safety Certification

The WatchGuard product is safety certified under the following standards:

- EN 60950-1:2006+A11+A1+A12+A2:2013
- EN 61000-3-2:2014
- EN 61000-3-3:2013

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 appliance, follow the general installation safety instructions.

Disclaimer

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

HINWEISE ZUR SICHERHEIT

Alle WatchGuard Produkte werden entwickelt und getestet, um strenge Sicherheitsanforderungen zu erfüllen. Diese Anforderungen umfassen Produktsicherheit Zulassungen und andere globale Compliance-Standards. Bitte lesen Sie die folgenden Anweisungen sorgfältig, bevor Sie das Produkt, und bezeichnen sie als notwendig, um den sicheren Betrieb des Geräts zu gewährleisten.

Die WatchGuard Produkt ist Sicherheit unter den folgenden Normen zertifiziert:

- EN 60950-1:2006+A11+A1+A12+A2:2013
Sicherheitshinweis

- Legen Sie keine Gegenstände auf das Netzkabel.
- Verdecken Sie nicht die Lüftungsöffnungen. Diese Öffnungen verhindern eine Überhitzung der Maschine.
- Stecken Sie niemals Gegenstände jeglicher Art in die Schlitze oder Öffnungen des Geräts stecken. Der Kontakt mit einem spannungsführenden Punkt oder das Kurzschließen eines Bauteils kann zu einem Brand oder elektrischen Schlag führen.
- Beim Entfernen oder Installieren eines Gerätes, nach den allgemeinen Installation Sicherheitshinweise.

AVISO DE SEGURIDAD

Todos los productos WatchGuard están diseñados y probados para satisfacer estrictos requisitos de seguridad. Estos requisitos incluyen la homologación de productos de seguridad y otras normas de cumplimiento global. Por favor, lea atentamente las siguientes instrucciones antes de utilizar el producto, y se refieren a ellos como sea necesario para garantizar el funcionamiento seguro y continuo de su producto. Información adicional se puede encontrar en la Guía del usuario electrónica.

Certificación de seguridad del producto

El producto tiene certificación de seguridad WatchGuard bajo las siguientes normas:

- EN 60950-1:2006+A11+A1+A12+A2:2013
- EN 61000-3-2:2014
- EN 61000-3-3:2013

Advertencia de seguridad

- No coloque objetos sobre el cable de alimentación.
- No obstruya las aberturas de ventilación. Estas aberturas evitan el sobrecaleentamiento de la máquina.
- Nunca introduzca objetos de ningún tipo en las ranuras o aberturas del equipo. El contacto con puntos de voltaje o el cortocircuito de una pieza podría provocar un incendio o una descarga eléctrica.
- Al extraer o instalar un electrodoméstico, siga las instrucciones generales de instalación de seguridad.
FCC Certification

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 device 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. For operation within 5.15 ~ 5.25GHz / 5.47 ~ 5.725GHz frequency range, it is restricted to indoor environment. The band from 5600-5650MHz will be disabled by the software during the manufacturing and cannot be changed by the end user. This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

IMPORTANT NOTE:

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 28cm between the radiator & your body.

Note: The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all WiFi product marketed in US must fixed to US operation channels only.

CE Notice

The CE symbol on your WatchGuard Technologies equipment indicates that it is in compliance with the Electromagnetic Compatibility (EMC) directive and the Low Voltage Directive (LVD) of the European Union (EU).

This equipment should be installed and operated with minimum distance 28cm between the radiator & your body.

Industry Canada Certification

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.

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 5 350 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 5 725 à 5 850 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.

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.

For indoor use only.

Pour une utilisation en intérieur uniquement.

**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 28cm 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 28cm de distance entre la source de rayonnement et votre corps.

**Europe - EU Declaration of Conformity (Wireless)**

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:

**EN60950-1/A12:2011+A2:2013**

Safety of Information Technology Equipment

**EN62311:2008 & EN62479:2010**

Product standard to demonstrate the compliance of radio base stations and fixed terminal stations for wireless telecommunication systems with the basic restrictions or the reference levels related to human exposure to radio frequency electromagnetic fields (110MHz - 40 GHz) - General public
EN 300 328 V2.1.1 (2016-11)
Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2.4GHz 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); 5GHz high performance RLAN; Harmonized EN covering the essential requirements of article 3.2 of the RED Directive.

Draft EN 301 489-1 V2.2.0 (2017-03)
Electromagnetic compatibility and Radio spectrum Matters (ERM); Electro Magnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

Draft EN 301 489-17 V3.2.0 (2017-03)
Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for Broadband Data Transmission Systems

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

In Italy the end-user should apply for a license at the national spectrum authorities in order to obtain authorization to use the device for setting up outdoor radio links and/or for supplying public access to telecommunications and/or network services.

This device may not be used for setting up outdoor radio links in France and in some areas the RF output power may be limited to 10 mW EIRP in the frequency range of 2454 - 2483.5 MHz. For detailed information the end-user should contact the national spectrum authority in France. The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.
Declaration of Conformity

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):
Wireless Access Point, WatchGuard Model AP125

EE Directives:
- Low Voltage (2006/95/EC)
- RoHS (2002/95/EC)
- WEEE Directive 2002/96/EC

Conform Standards:
- EN 55024:2010 Immunity for ITE
- EN 62311:2008
- EN 61000-6-1:2014
- EN 61000-3-2:2013
- EN 301 489-3 V2.2.0 EMC and Radio Spectrum Matters
- EN 301 489-17 V3.2.0 EMC and Radio Spectrum Matters
- EN 300 328 V2.1.1 Radio Spectrum Matters
- EN 301 903 V2.1.1 Broadband Radio Access Networks

Wireless Standards:
- EN 301 489-01 V2.2.0
- EN 301 489-01-2 V2.2.0
- EN 301 489-17 V3.2.0
- EN 300 328 V2.1.1

Hereby, declare under our sole responsibility that the requirements set out in the Directive 2014/53/EU have been fully fulfilled on our product with indication below:

Product Name: 802.11ac Dual Band PeP Access Point
Model Number: AP125, C-100

Object of the declaration:
The object of the declaration described above is in conformity with the relevant Union harmonization legislation:
Radio Equipment Directive (RED) 2014/53/EU

The following standards and technical specifications have been applied:
- Spectrum: EN 300 328 V2.1.1, EN 301 893 V2.1.1
- EMC: EN 301 489-1 V2.2.9, EN 301 489-17 V3.2.0, EN 55032:2015/AC:2016, EN 55024:2010

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.

Warning! This is a Class B product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

All operational modes:
- 2.4GHz: 802.11b, 802.11g, 802.11n (HT20), 802.11n (HT40), 802.11ac (VHT30), 802.11ac (VHT40), 802.11ac (VHT80), Bluetooth/BR/EDR, LE
- 5GHz: 802.11a, 802.11n (HT20), 802.11n (HT40), 802.11ac (VHT40), 802.11ac (VHT80)

The frequency and maximum transmitted power limit in EU are listed as below,
- 2412-2475MHz: 16.9dBm
- 2462-2484MHz (BR/EDR): 8.15dBm
- 5150-5350MHz: 22.94dBm
- 5470-5725MHz: 22.94dBm

Restrictions: France (ii) 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) De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs prioritaires (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 bouclage éh ou des dommages aux dispositifs LAN-EL.


Warning! Dies ist eine Einrichtung der Klasse B. Diese Einrichtung kann im Wohnbereich Funkstörungen verursachen. In diesem Fall kann vom Betreiber verlangt werden, angemessene Maßnahmen durchzuführen.

Einschränkungen: Frankreich – (i) Les appareils fonctionnant dans la bande 5150-5250 MHz ne sont autorisés que pour usage 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 être informés que les utilisateurs de radars de haute puissance sont prioritairement les utilisateurs de bandes 5 250-5 350 MHz et 5 650-5 850 MHz et que ces radars pourraient causer du bouclage éh ou des dommages aux dispositifs LAN-EL.

Signature:
Laurence Huang
Position: Manufacturing Program Manager
Date: March 9, 2018
Brasil ANATEL
Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

Mexico NOM
La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Taiwan Class B Notices
警告使用者，這是乙類產品，應使用並正確安裝。本產品可能會造成無線電干擾，在這種情況下，用戶可能需要採取適當的措施。

Taiwan NCC

日本VCCI Notice (Class B ITE)

RoHS Statement
The member states of the European Union approved directive 2002/95/EC, Restrictions of Hazardous Substances (“RoHS directive”) that became valid on July 1, 2006. It states that all new electrical and electronic equipment put on the market within the member states must not contain certain hazardous materials. This device complies with the European Union’s RoHS directive 2002/95/EC and similar regulations that may be adopted by other countries for European Sales.
WEEE Statement

WEEE is a general set of requirements dictated in the EU Directive 2002/96/EC. This Directive mandated that member EU countries enact regulations governing the Waste of Electrical and Electronic Equipment (WEEE). The Directive, and its individual transpositions into specific country laws and legislation, is aimed at the reduction of WEEE through reuse, recovery, and recycling of WEEE.

WatchGuard is working in partnership with our European Union (EU) distribution partners to ensure that our products are in compliance with the WEEE statutes, and that the recovery of our product per the specific EU country legislative requirements is seamless for our product’s end users. If you have a WatchGuard product that is at its end of life and needs to be disposed of, please contact WatchGuard Customer Care Department at:

U.S. Customers: 877.232.3531
International Customers: +1.206.613.0456

WatchGuard is reasonably confident that our products do not contain any substances or hazardous materials presently banned by any legislation, and do not present a risk due to hazardous materials. WEEE recovery professionals should also note that these products do not have any materials that are of particular high value in their individual form.

REACH Certificate of Compliance

The new EU chemicals policy REACH (Registration, Evaluation, Authorization and restriction of Chemicals) came into effect on June 1, 2007. REACH is Europe’s new chemicals legislation, which is applicable in all 27 EU Member States as well as the EFTA European Economic Area (EEA). REACH creates a new system for gathering information, assessing risks to human health and the environment, and authorizing or restricting the marketing and use of chemicals produced or supplied in the EEA. REACH has an impact on EEA producers and importers of finished products and users of chemicals in the course of industrial or professional activities.

WatchGuard supports the overall REACH objective of improving the protection of human health and the environment and will meet all applicable REACH requirements. WatchGuard is strongly committed to working with our customers and supply chain to define and implement the REACH requirements and ensure a smooth transition to compliance.

One of the REACH requirements is that manufacturers and importers have the duty to register substances they are producing or importing. In accordance with the regulations, the products of WatchGuard do not need to be registered for the following reasons:

- WatchGuard does not import more than 1 metric ton per year of a substance as defined by REACH.
- WatchGuard products are non-chemical products that are not designed to release any substance under normal and reasonably predictable application.
- Our products do not contain the listed substances at more than 0.1% by weight of the whole product/part.