Table 1 Contents of the AP-8163 Box

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP-8163 Access Point</td>
<td>The AP-8163 is designed for wall or pole mount deployment with 2.4 and 5 GHz band coverage to outside areas with the latest 802.11ac 3x3:3 Multiple Input Multiple Output (MIMO) technology for high performance. True perimeter security is provided using either a 1/2 inch x 4 inch wide U-bolt and band clamps up to 3/4 inch width, or a 1/2 inch x 4 inch wide U-bolt and nuts. For poles greater than 3 inches in diameter, use band clamps up to 3/4 inch width, or use Lag bolts which are not included in the mounting bracket kit.</td>
</tr>
<tr>
<td>Weatherproof D455 plug kit</td>
<td>The weatherproof D455 plug kit is recommended for use with the AP-8163.</td>
</tr>
</tbody>
</table>

Antennas must be ordered separately and do not ship with the AP-8163.

**LED Indicators**

- AP-8163 Access Points have LED activity indicators on the front of the enclosure. The LEDs provide a status display indicating error conditions, transmission and network activity for the 2.4 GHz radio (green) and the 5 GHz radio (amber). For more information about LED Indicators, refer to the ExtremeWireless WiNG AP-8163 Installation Guide.

Mounting and Installation

The following sections detail the installation procedure for deploying the AP-8163 Access Point. It is recommended that the mounting bracket kit (KT-147007-01) be used for most deployments. When a standoff distance is required for a pole mounted or wall mounted installation, use the extension arm kit (KT-1501107-01).

**Warning:** Only qualified personnel should perform installation procedures.

**Caution:** All device wiring must comply with the National Electric Code (NEC), or regulations and procedures defined by the regulatory bodies of the country or region where the devices are being deployed. All local building and structural codes must be observed.

**Caution:** Always mount the AP-8163 with the black gore vent facing down.

**Installing the AP on a Pole**

For poles up to 3 inches in diameter, attach the pole mount bracket of the mounting hardware kit at the desired position on the pole using band clamps up to 3/4 inch width, or a 1/2 inch x 4 inch wide U-bolt and nuts. For poles greater than 3 inches in diameter, attach the pole mount bracket using band clamps.

**Note:** The U-bolt and band clamps are not included in the mounting bracket kit.

**Vertical Pole Mount**

For poles up to 3 inches in diameter when using a U-bolt:
1. Thread two 1/2 inch nuts onto the U-bolt.
2. Position the U-bolt on the pole and place the pole mount bracket section onto the U-bolt. Tighten all the screws.
3. Place the angle adapter bracket section on the U-bolt with the open slot connections facing down, attach with two M6 hex flange screws. Tighten all nuts to 300 inch pounds (lbf-in).

**Legal Information**

- Please refer to the Declaration of Conformity (DoC) for details on country markings. This is available at: [www.extremenetworks.com](http://www.extremenetworks.com)

**Regulatory and Compliance Information**

**Wireless Device Country Approvals**

Regulatory information varies depending on the country or region. Products sold in any region must be approved for use in that region. For additional information on Extreme Networks trademarks, please see: [www.extremenetworks.com/legal/trademarks](http://www.extremenetworks.com/legal/trademarks).

**Documentation & Support**

For product support, including documentation, visit: [www.extremenetworks.com/support](http://www.extremenetworks.com/support)

**RF Exposure Guidelines**

**Reducing RF Exposure - Legal & Property**

Only operate the device in accordance with the instructions supplied. All Extreme Networks products are tested and certified as compliant with the latest guidelines for RF exposure to ensure that the use of these devices is safe for the public. To comply with EU RF exposure requirements, the antenna used for this transmitter must not be co-located or operated in conjunction with any other transmitter or antenna except those already approved in this filing.

To satisfy US and Canadian RF exposure requirements, a transmitting device must operate with a minimum separation distance of 35cm or more from any part of the body. To comply with EU and other worldwide RF exposure guidelines, use only the antenna(s) which are approved for use in your country or region. Use of unauthorized antennas or modifications will invalidate the FCC and Industry Canada approvals and may be dangerous and illegal.

**Power Supply**

Connect the RJ45 Cable to the 802.3af port of the AP-8163 or an alternative Power Supply to activate any of the device's features.

**Pacemakers**

- Be sure that the device is more than 5 cm (2 inches) from any pacemaker when turned ON.
- Should not carry the device in a breast pocket.
- Should use the ear furthest from the pacemaker to minimize the potential for interference.
- Should inform any person who suspects interference is taking place, turn OFF the device.

**Other Medical Devices**

Please consult your physician or the manufacturer of the medical device, to determine if operation of your wireless product may interfere with the medical device.

**Reduction of RF Exposure**

- Reduce RF exposure by maintaining a minimum separation distance of 50 cm (20 inches) from any part of the body. In installations where the separation distance cannot be satisfied, reduce RF exposure by using antenna(s) approved for use in your country or region and operate the device in a manner that minimizes exposure.

**Optical Fibers**

- When using optical fibers with an AP-8163, it is recommended that the AP-8163 be placed at least 1 meter away from the optical fiber to ensure minimal interference.

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This device comes with RSS 210 of Industry Canada. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Ce dispositif est conforme à la norme CNR-210 d’Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) il ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible d’interférer avec son fonctionnement.

Label Marking: The Term “IC:” before the radio certification only signifies that Industry Canada technical specifications were met.

To reduce potential radio interference to other users, the antenna type and antenna gain used for this device must be in accordance with Industry Canada regulations. The maximum antenna gain permitted for devices in the band 5725-5825 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate.

This radio transmitter (identify the device by certification number, or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that permitted for successful communication.

The device could automatically discontinue transmission in case of absence of data to transmit, or operational failure. Note that this is not intended to prohibit transmission of control or signaling information or the use of repetitive codes where required by the technology.

In compliance with respective local regulatory laws, the AP software provides professional installers the option to configure the antenna type and antenna gain for approved antennas.


1. The symbol above indicates that separate collection of electrical and electronic equipment is required.
2. When this product has reached the end of its serviceable life, it cannot be disposed of as unsorted municipal waste. It must be collected and treated separately.
3. It has been determined by the European Parliament that there are potential negative effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment.
4. It is the users’ responsibility to utilize the available collection system to ensure WEEE is properly treated.

This equipment is restricted to indoor operation in the 5.15-5.35GHz band for the following two expression should be displayed:

To reduce potential radio interference to other users, the antenna type and gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that permitted for successful communication.

The maximum antenna gain permitted for devices in the band 5725-5825 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate.