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## BrosTrend AC1200 Outdoor WiFi Access Point

# BrosTrend AC1200 Outdoor WiFi Access Point User Manual

Model: AC1200 Outdoor WiFi Access Point (XE1/XA1)

Brand: BrosTrend

## 1. INTRODUCTION

The BrosTrend AC1200 Outdoor WiFi Access Point is designed to provide reliable and high-speed wireless internet connectivity in outdoor environments. This device supports dual-band WiFi (5GHz and 2.4GHz) and is built with an IP65-rated weatherproof housing, 6kV lightning protection, and 8kV ESD shielding to ensure consistent performance in various weather conditions. It can be powered via the included passive PoE injector or a standard 802.3af/at/bt PoE switch, simplifying installation by delivering both power and data through a single Ethernet cable.

This manual provides detailed instructions for setting up, operating, and maintaining your BrosTrend AC1200 Outdoor WiFi Access Point.

Your browser does not support the video tag.

**Video Description:** An introductory overview of the BrosTrend AC1200 Outdoor WiFi Access Point, highlighting its key features and applications.

## 2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x AC1200 Long-Range Outdoor WiFi Access Point
- 1 x Gigabit Passive PoE Injector
- 2 x Detachable Waterproof Antennas
- 2 x Waterproof Rubber Gaskets (Pre-attached to the access point)
- 1 x Detachable Wall-mounting Bracket (Pre-attached to the access point)
- 1 x Power Cord
- 1 x Outdoor PoE Ethernet Cable
- 2 x Cable Ties
- 1 x Grounding Screw
- 1 x Anti-theft Screw
- 4 x Screws
- 4 x Plastic Anchors
- 1 x Quick Installation Guide

## What You Get

- 1 x AC1200 Long-Range Outdoor WiFi Access Point
- 1 x Gigabit Passive PoE Injector
- 2 x Detachable Waterproof Antennas
- 2 x Waterproof Rubber Gaskets (Pre-attached to the access point)
- 1 x Detachable Wall-mounting Bracket (Pre-attached to the access point)
- 1 x Power Cord
- 1 x Outdoor PoE Ethernet Cable
- 2 x Cable Ties
- 1 x Grounding Screw
- 1 x Anti-theft Screw
- 4 x Screws
- 4 x Plastic Anchors
- 1 x Quick Installation Guide



**Image Description:** A flat lay image displaying all components included in the BrosTrend AC1200 Outdoor WiFi Access Point package, including the access point, antennas, PoE injector, cables, and mounting hardware.

## 3. SETUP AND INITIAL CONFIGURATION

Follow these steps to set up your BrosTrend AC1200 Outdoor WiFi Access Point.

### 3.1. Install Antennas

1. Remove the black plastic caps from the antenna connectors on the access point.
2. Ensure the white rubber gaskets remain in place on the connectors. These are crucial for maintaining the device's waterproof performance.
3. Attach the two detachable waterproof antennas firmly to the antenna connectors.

# Consistent WiFi in All Weather



IP65 Waterproof & Dustproof



6kV Lightning Protection



8kV ESD Protection



**Image Description:** The BrosTrend AC1200 Outdoor WiFi Access Point with its two antennas securely attached, ready for installation.

## 3.2. Powering the Access Point

The access point can be powered in two ways:

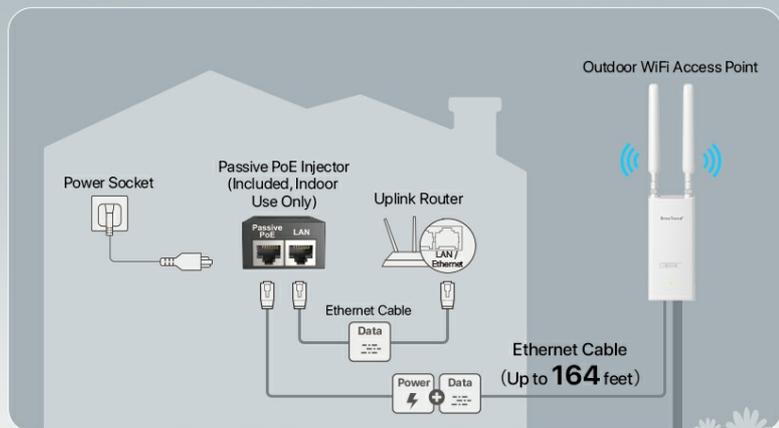
- **Via the included passive PoE injector:** Connect the PoE/LAN port of the access point to the Passive PoE 1000 Mbps port on the PoE injector using a PoE Ethernet cable. Then, connect the provided power cord to the PoE injector and plug it into an electrical socket.

- **Via a standard 802.3af/at/bt PoE Ethernet switch (not included):** Connect the PoE/LAN port of the access point to an available Ethernet port on a standard PoE Ethernet switch using a PoE Ethernet cable.

Once powered on, the access point's LED indicator will blink slowly in orange during startup.

## Easy Power with Included Passive PoE Injector

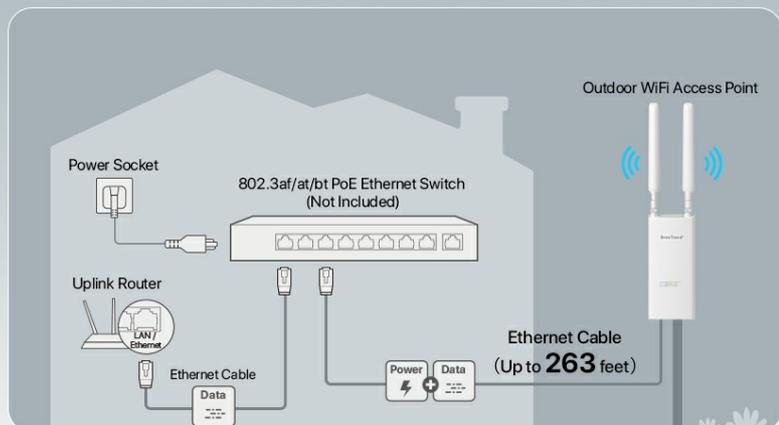
Easily power your outdoor WiFi access point using the included **Gigabit passive PoE injector**. Just connect the Ethernet cable and plug it in—no nearby outdoor power outlet needed. Simple and perfect for home setups.



**Image Description:** A diagram illustrating how to power the outdoor WiFi access point using the included passive PoE injector, connecting it to a power socket and an uplink router.

## Long-Range Power via PoE Switch

You can also use a standard 802.3af/at/bt PoE switch to power the WiFi access point using a single Ethernet cable—also no nearby outdoor power outlet needed. Simply connect the switch's PoE port to the AP's **Gigabit port**. Ideal for longer cable runs or larger home setups.



**Image Description:** A diagram illustrating how to power the outdoor WiFi access point using a standard 802.3af/at/bt PoE Ethernet switch, connecting it to an uplink router.

### 3.3. Initial Web Management Page Setup

To configure the access point, connect a wireless device (smartphone, laptop) to one of its default WiFi networks:

**BrosTrend\_EXT** or **BrosTrend\_5GEXT**. The web management page should automatically appear. If not, open a web browser and manually enter the address found in the printed installation manual (e.g., <http://brostrendwifi.com>).

Enter the default login username and password, which is **admin** for both. Choose **Access Point Mode**, then click **Next**. Customize the WiFi names and passwords for your new outdoor network. It is recommended to save your WiFi password for future use.

Finally, set a new login password for the device and click **Save**. Wait approximately 1 minute for the configuration to complete.

Your browser does not support the video tag.

**Video Description:** A step-by-step guide on how to set up the BrosTrend AC1200 Outdoor WiFi Access Point, including antenna installation, power connection, and initial configuration via the web management page.

## 4. OPERATING THE ACCESS POINT

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The BrosTrend AC1200 provides robust outdoor WiFi with several key features:

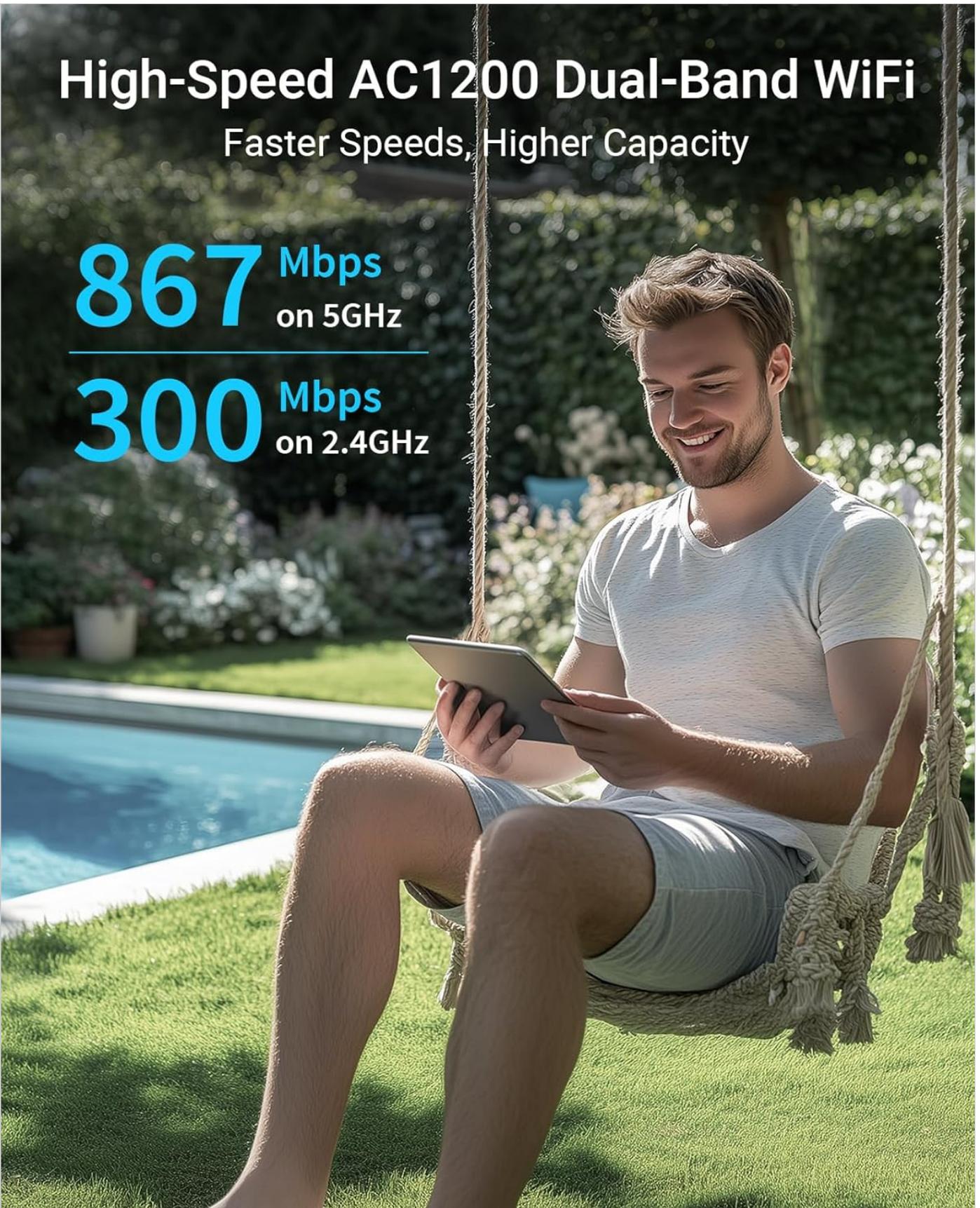
- **High-Speed AC1200 Dual-Band WiFi:** Delivers speeds up to 867 Mbps (5 GHz) and 300 Mbps (2.4 GHz), supporting up to 60 devices simultaneously. Features MU-MIMO, 2x2 streams, and Wave 2.0 for seamless connections.
- **Reliable Outdoor Coverage:** When uplinked to your router via Ethernet, this access point provides dependable outdoor WiFi range up to 656 feet, suitable for streaming, video calls, or remote work.
- **Stronger Signal, Smarter Focus:** Two adjustable 5 dBi omni-directional antennas combined with Beamforming technology extend coverage and direct powerful, consistent signals to devices across outdoor spaces.
- **Flexible Uplink Options:** Supports both wired uplink to your main router and Extender Mode, allowing it to wirelessly connect to your router and extend WiFi outdoors without an Ethernet cable for data.
- **WPA2 Encryption:** Ensures secure WiFi connections, protecting your data while enjoying fast, reliable internet.

# High-Speed AC1200 Dual-Band WiFi

Faster Speeds, Higher Capacity

**867** Mbps  
on 5GHz

**300** Mbps  
on 2.4GHz



**Image Description:** A man relaxing outdoors, using a tablet, demonstrating the high-speed AC1200 dual-band WiFi provided by the access point.

# Stronger Signal, Smarter Focus



5dBi Omni-Directional Antennas



Beamforming Technology

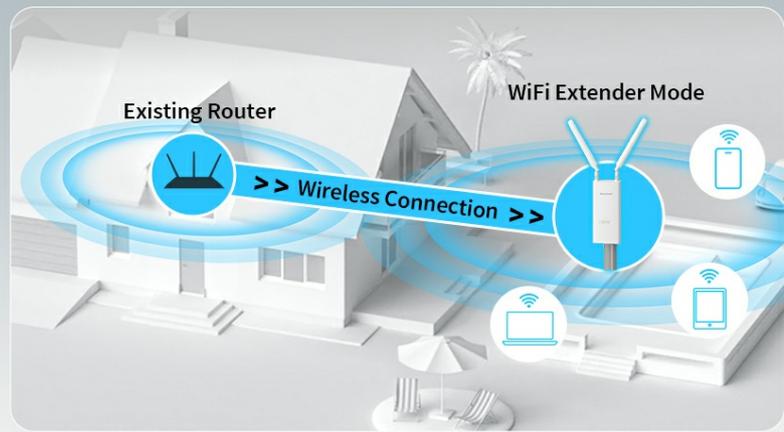


Adjustable Angles

**Image Description:** A close-up view of the adjustable 5 dBi omnidirectional antennas on the access point, illustrating Beamforming technology for stronger signal focus.

## Flexible Uplink Options

With Extender Mode, the outdoor WiFi access point wirelessly uplinks to your home router—no Ethernet cable needed for data. Enjoy hassle-free outdoor WiFi with an easy setup.



**Image Description:** A diagram illustrating the WiFi Extender Mode, where the access point wirelessly connects to an existing router to extend WiFi coverage outdoors.

## 5. INSTALLATION AND RELOCATION

The BrosTrend AC1200 Outdoor WiFi Access Point supports both wall mounting and pole mounting for flexible placement in your outdoor areas.

### Mount It Your Way

Easily install the outdoor WiFi access point on a pole or wall—wherever you need the strongest signal. Enjoy flexible placement for better coverage throughout your backyard, deck, or garden.



**Image Description:** An image showing the outdoor WiFi access point flexibly mounted on both a pole and a wall, demonstrating installation options. For outdoor installations, it is recommended to use qualified Cat5e or higher outdoor PoE-compatible Ethernet cables. These cables should be waterproof, shielded, UV-resistant, and capable of withstanding both high and low temperatures to ensure long-term reliability.

## 6. SAFETY AND GROUNDING

To protect the access point from overvoltage and overcurrent caused by indirect lightning strikes and electrostatic discharge (ESD), it is recommended to connect the GND terminal of the access point to a grounding terminal connected to the earth or building.

# Pick the Better Outdoor WiFi Access Point



Our AC1200 Outdoor WiFi Access Point



Other AC1200 Outdoor Mesh AP

AP Mode Wired Uplink to Main Router	Supported	Supported
Standalone WiFi Extender Mode Wireless Uplink to Main Router	Supported	Not Supported
Mesh Mode	Not Supported	Supported, While ONLY Works with Mesh Devices from the Same Brand and Series
WiFi Speed	Up to 867 Mbps on 5 GHz and 300 Mbps on 2.4 GHz	
Antenna Gain	Higher Gain, 2 × 5 dBi Omnidirectional Dual-band Antennas	Lower Gain, 2.4 GHz: 2 × 3 dBi 5 GHz: 2 × 4 dBi
Heat Dissipation	Lower Heat, Stable Performance	Prone to Overheating, Inconsistent Performance
Power Supply Methods	Passive PoE or 802.3af/at/bt PoE Ethernet Switch	
Lightning Protection for Outdoor Use	6kV	4kV

**Image Description:** A close-up view of the access point's bottom, highlighting the GND terminal and illustrating how to connect a grounding cord to the earth for protection against lightning and ESD.

## 7. TROUBLESHOOTING AND LED INDICATORS

The LED indicator on the access point provides information about its status:

- **Solid Green:** The access point is successfully connected to the Internet and functioning properly.

- **Blinking Orange Slowly:** The access point is not successfully set up or has failed to connect to the Internet. Review your setup steps and network connections.
- **Solid Orange:** The access point is starting up. Do not power off the device during this process to prevent damage.

If you encounter issues, ensure all cables are securely connected and the power supply is stable. Re-check your web management page settings if the LED indicates a setup or internet connection problem.

## 8. SPECIFICATIONS

Feature	Detail
Model Name	AC1200 Outdoor WiFi Access Point
WiFi Standards	IEEE 802.11a/b/g/n/ac, AC1200 Wave 2.0, 2x2 Streams
Frequency Band Class	Dual-Band (5 GHz & 2.4 GHz)
WiFi Speed	Up to 867 Mbps on 5 GHz, 300 Mbps on 2.4 GHz
Antenna	2 x 5 dBi Detachable High-Gain Omni-Directional Antennas (Adjustable Angles: Horizontal 0°-360°, Vertical 0°-90°)
Interfaces	1 x PoE Ethernet Port (Gigabit), 1 x Grounding Terminal, 1 x Reset Button
Power Supply Methods	24V 0.5A Passive PoE (PoE Injector Included) or 802.3af/at/bt Standard PoE Ethernet Switch (Not Included)
Maximum Ethernet Cable Length	Passive PoE: Up to 164 feet via Cat5e or higher; Standard PoE Switch: Up to 263 feet via Cat5e or higher
Waterproof Level	IP65
Lightning Protection	6kV Lightning Protection, 8kV ESD Protection
Operating Temperature	22°F to 122°F
Deployment	Pole or Wall Mounting
Product Dimensions	3.27 x 3.27 x 15.24 inches
Item Weight	9.6 ounces

WiFi Standards	IEEE 802.11 a/b/g/n/ac, AC1200 Wave 2.0, 2x2 Streams
Frequency and Bandwidth	5 GHz & 2.4 GHz, 20/40/80 MHz channels
WiFi Speed	Up to 867 Mbps on 5 GHz, 300 Mbps on 2.4 GHz
Transmission Power	23 dBm
Wireless Security	WPA-PSK, WPA2-PSK, Mixed WPA-PSK/WPA2-PSK
Interfaces	1 X PoE Ethernet Port (Gigabit), 1 x Grounding Terminal, 1 x Reset Button, 1 x Signal Strength LED Indicator
Antenna	2 x 5 dBi Detachable High-Gain Omni-Directional Antennas Adjustable Angles: Horizontal 0°-360°, Vertical 0°-90°
Power Consumption	11.5 W
Power Supply Methods	24V 0.5A Passive PoE (PoE Injector Included) or 802.3af/at/bt Standard PoE Ethernet Switch (Not Included)
Maximum Ethernet Cable Length for Power Supply	Passive PoE: Up to 164 feet via Cat5e or higher Standard PoE Switch: Up to 263 feet via Cat5e or higher
Waterproof Level	IP65
Lightning Protection	6kV Lightning Protection, 8kV ESD Protection
Operating Temperature	-22°F to 122°F
Deployment	Pole or Wall Mounting

**Image Description:** A detailed table outlining the technical specifications of the BrosTrend Outdoor WiFi Access Point.

## 9. WARRANTY AND SUPPORT

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BrosTrend products come with a standard warranty. For specific warranty details, please refer to the documentation included with your product or visit the official BrosTrend website.

If you require any assistance with setup, operation, or troubleshooting, please contact BrosTrend customer support. Support is typically available via email, with responses provided within 24 hours.

For the latest information and support resources, visit the BrosTrend official website or refer to the contact information provided in your Quick Installation Guide.

