

OW-400-A2

eXtreme Power AC1200 Dual-Band 2x2 +17dBi +Heater Outdoor Bridge/AP (800mW)

Quick Installation Guide



Package Contents

Before you start to install this switch, please verify your package that contains the following items:

- OW-400-A2 Main Unit x1
- PoE Power Supply Kit x 1
- Wall/Pole Mounting Bracket x 1
- Grounding Cable x 1
- CD Manual x 1
- Quick Installation Guide x 1
- Warranty Card x 1

Note: If any of these items is found missing or damaged, please contact your local supplier for replacement.

Product Features

- 2.4GHz Data Rate of up to 300Mbps(Tx), 300Mbps(Rx) link rate
- 5GHz Data Rate of up to 867Mbps for 80MHz channel bandwidth
- 800mW at 2.4GHz and 500mW at 5GHz Output eXtreme High Power design
- Built in +17dBi , 5GHz (H16, E16) Directional Panel Antenna
- External for 2.4GHz 2x2 and 5GHz 2x2 N-Type Connector design (IEEE 802.11ac and 11nbg 2Tx/2Rx Design)
- IEEE 802.3af/at Power over Ethernet (48V) support

FCC Warning

This device has been tested and found to comply with limits for a Class A digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates and radiates radio frequency energy and, if not installed and used in accordance with the user's manual, it may cause interference in which case users will be required to correct interference at their own expenses.

CE Warning

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

Introduction

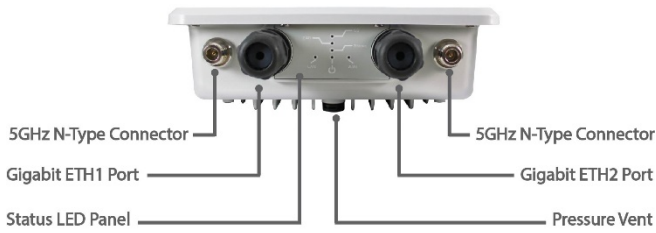
CERIO's OW-400-A2 eXtreme Power AC1200 2.4GHz/5GHz 2x2 +17dBi +Heater Outdoor Bridge/AP (800mW) is a dual band outdoor AP that combined superior functionality with an elegant and highly durable housing design.

This 11ac outdoor concurrent dual band access point supports a maximum throughput of **1200Mbps**, up to **300Mbps** on the 2.4GHz frequency band and **867Mbps** on the 5GHz frequency band. **OW-400-A2 utilizes 2 spatial streams**, each of which can operate on the 2.4GHz or 5GHz frequency band.

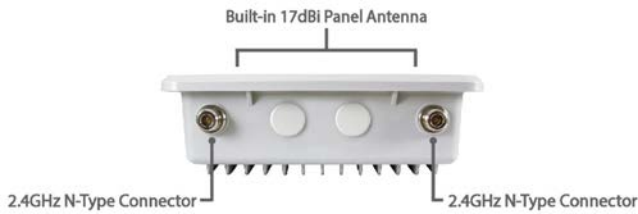
OW-400-A2's high performance and **IP67 weather-proof** durable design makes it perfect for deployment in enterprise, government, public environments, and WISP application.

- Built-in heater with temperature sensor
- Integrates a long-range power amplifier and high sensitivity receiver to deliver unmatched reliability and performance at large coverage application
- Weather-proof Housing (IP67 Approved)
- Built-in lightning arrester (15kV ESD)
- Supports Hardware chipset base Watch Time Dog, allowing the OS to reboot automatically before a crash
- Operation Modes : Access Point Mode (includes Hotspot Portal Authentication, Pure AP Mode, and AP + WDS Mode), Control Access Point Mode (Centralized AP Management), Router AP Mode, Client Bridge + Repeater Mode, and WISP / CPE Repeater Mode
- Provide customizable login and logout Captive portal page by Web Page
- Each Virtual ESSID supports 10 local built-in local accounts, And supports external RADIUS server, and OAuth2.0 Facebook / Google account
- CentOS 5.0 Control Access Point Mode (CAP) supports centralized management of up to 128 AP devices

Front Panel Overview



Back Panel Overview



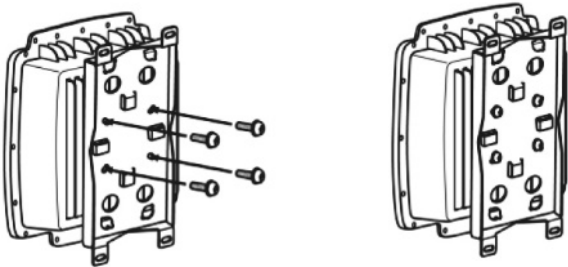
Mounting Kit Contents



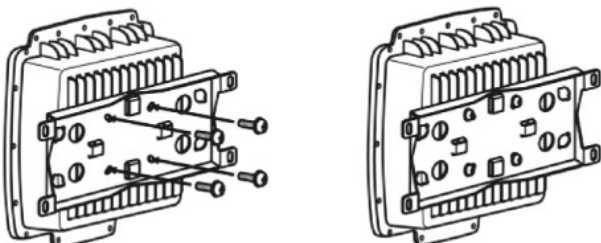
Mounting Instructions

Instructions: Use the provided screws to secure the mounting bracket on the back of OW-400-A2. The bracket can be attached two different ways.

Vertical Mounting Bracket Setup

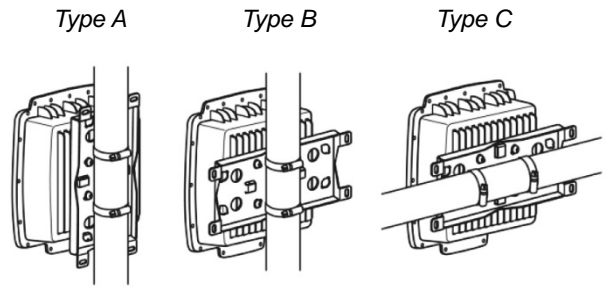


Horizontal Mounting Bracket Setup



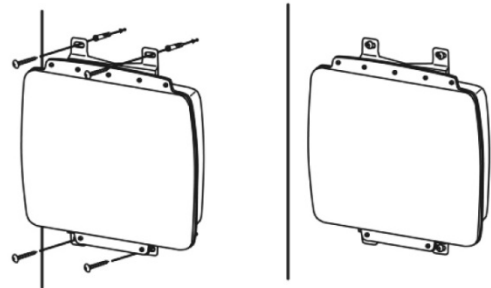
Pole Mounting

Instructions: Use the provided stainless steel bracket ties to pole mount OW-400-A2. Use a flathead screwdriver to tightly secure the device in place.



Wall Mounting

Instructions: Use the provided screws and wall anchors to wall mount OW-400-A2. Plastic wall anchors are always recommended to safely support the device's weight.



Technical Specifications

Software Core	Cerio CenOS 5.0 Software Core
Network Standards	IEEE 802.11 b/g/n/ac compliant IEEE 802.3 / IEEE 802.3u IEEE 802.11 af/at Power over Ethernet IEEE 802.11Q VLAN IEEE 802.11r/k Fast Roaming IEEE 802.11e WMM
Ethernet Configuration	10/100/1000BASE-TX Auto MDI/MDI-X *2 (Power over Ethernet 802.3af/at PoE In)
Data Transfer Rates	IEEE 802.11n, 300Mbps (at 40MHz) IEEE 802.11ac, 867Mbps (at 80MHz)
Transmission Power	2.4GHz: Max: 29 ± 1 dBm 5GHz: Max 27 ± 1 dBm
Receiver Sensitivity	2.4GHz: Max: -92 dBm 5GHz: Max -92 dBm
Antenna	17dBi 5GHz Directional antenna 4 N-Type Connector for external antenna
Form Factor	Supports Pole and Wall Mounting
Power Consumption	24Watt (Max)
Input Power	IEEE802.3at 48V~57V PoE In
Operating Temperature	-20 to 50°C
Storage Temperature	-20 to 60°C
Humidity	10 to 80% RH (non-condensing)
Dimensions	255 x 255 x 78
Unit Weight	1.8kg
Certifications	FCC , CE , RoHS-compliant