

# AWK-1200

## IEEE802.11g/b Wireless Access Point/Bridge or AP Client for Outdoors



### Highlights

- > IP68 rated Wireless Access Point/Bridge and IP67 rated Wireless AP Client
- > Point-to-point, point-to-multipoint wireless connectivity
- > WEP/WPA/WPA2/IEEE802.1X authenticator supported
- > -20 to 70°C operating temperature range



### Features

#### Advanced Security Capability

- 64-bit and 128-bit WEP (Wired Equivalent Privacy)
- Enable/disable SSID broadcasts
- MAC-address-based access control
- IEEE802.1X/RADIUS
- WPA/WPA2

#### Useful Utilities and Remote Configuration

- Firmware upgrade from HTTP
- Web-based Management
- Supports SNMP
- Configuration backup and reset to factory default

#### Industrial-grade Design

- -20 to 70°C operating temperature range
- IP68/IP67 robust mechanical design

### Introduction

The AWK-1200 Access Point/Bridge or AP Client is ideal for applications that are hard to wire, too expensive to wire, or use mobile equipment that connects to a TCP/IP network. The AWK-1200 series is rated to operate at temperatures ranging from -20 to 70°C, and its weatherproof design allows you to set up a WLAN, or extend existing wired networks to outdoor locations. In addition, the AWK-1200 series

has a detachable antenna design, which gives you the flexibility of choosing your own special-purpose antennas instead of using the standard models. You also don't need to worry about finding a power supply in outdoor environments, since the AWK-1200's PoE (Power over Ethernet) design makes it easy to deploy.

### Specifications

#### WLAN

##### Standards:

IEEE802.11g/b for Wireless LAN,  
IEEE802.3u 10/100BaseTX for Ethernet LAN,  
IEEE802.3af for Power-over-Ethernet

##### Frequency Range:

2.4-2.4835 GHz, Direct Sequence Spread Spectrum (DSSS)

##### Data Rate & Modulation:

OFDM@54 Mbps, CCK@11/5.5 Mbps, DQPSK@2 Mbps,  
and DBSK@1 Mbps

#### Operating Channels:

USA: 1-11 (US)  
Europe: 1-13 (EU)

#### Security:

For AP/Bridge:  
WEP, WPA, WPA2, IEEE802.1X, MAC address filtering, Hide SSID,  
Layer 2 Isolation

For AP Client:  
64-bit and 128-bit WEP encryption, WPA

#### Data Rates:

1 Mbps, 2 Mbps, 5.5 Mbps, 6 Mbps, 9 Mbps, 11 Mbps, 12 Mbps, 18 Mbps, 24 Mbps, 36 Mbps, 48 Mbps, 54 Mbps

**Transmit Power:**

Typ. 17dBm @1, 2, 5.5 and 11Mbps, 17dBm@6Mbps, 14dBm @54Mbps

**RX Sensitivity:**

Typ. -72dBm @ 54Mbps

**Software Features**

**Protocols:** HTTP, DHCP, TCP/IP, RADIUS, DNS, NetBIOS, AppleTalk, and IPX/SPX

**Configuration:** Web-based management

**Client OS Support:** Windows 95/98/2000/ME/NT/XP, Unix, and Macintosh

**Interface**

**Antenna:** 5dBi External / N-type connector (AP/Bridge) , 9dBi Internal (AP Client)

**RJ45 Port:** 10/100BaseT(X) auto negotiation speed

**Power**

**Input Voltage:** Active Ethernet (IEEE802.3af), 48 VDC

**Input Current:** 0.35A

**Mechanical**

**Casing:** IP68 (AP/Bridge), IP67 (AP Client)

**Dimensions (W x H x D):** AWK-1200-AP:284.4 x 254.3 x 77.5 mm  
11.20 x 10.01 x 3.05 in.

AWK-1200-AC:165.8 x 195.8 x 60.3 mm  
6.53 x 7.71 x 2.37 in.

**Installation:** Wall or Mast Mounting (optional kit)

**Environmental**

**Operating temperature:** -20 to 70°C (-4 to 158°F)

**Storage temperature:** -40 to 80°C (-40 to 176°F)

**Ambient Relative Humidity:** 5 to 95% (non-condensing)

**Regulatory Approvals**

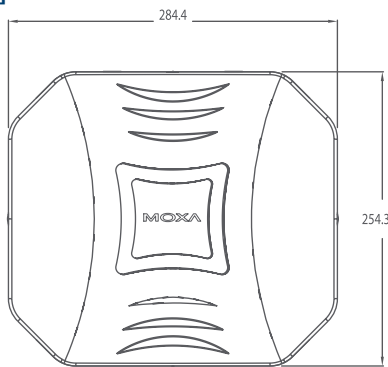
CE, FCC

**Warranty**

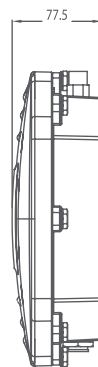
5 years

**Dimensions (unit = mm)**

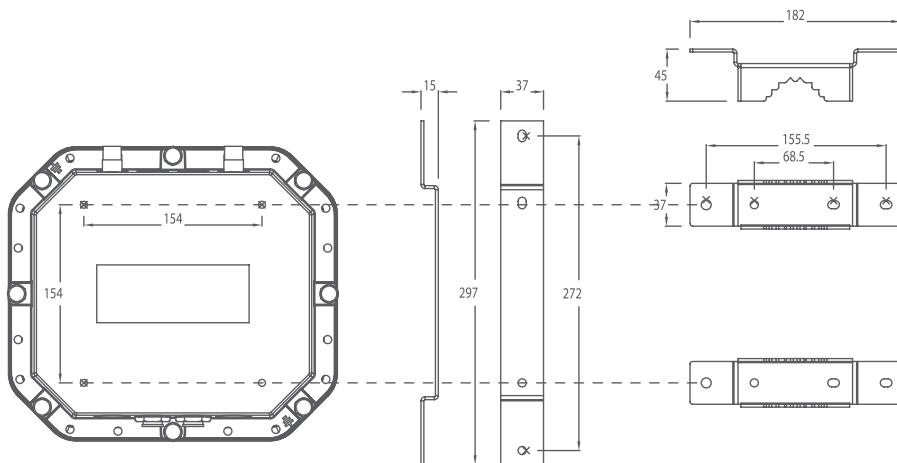
[ AWK-1200-AP ]



Front View



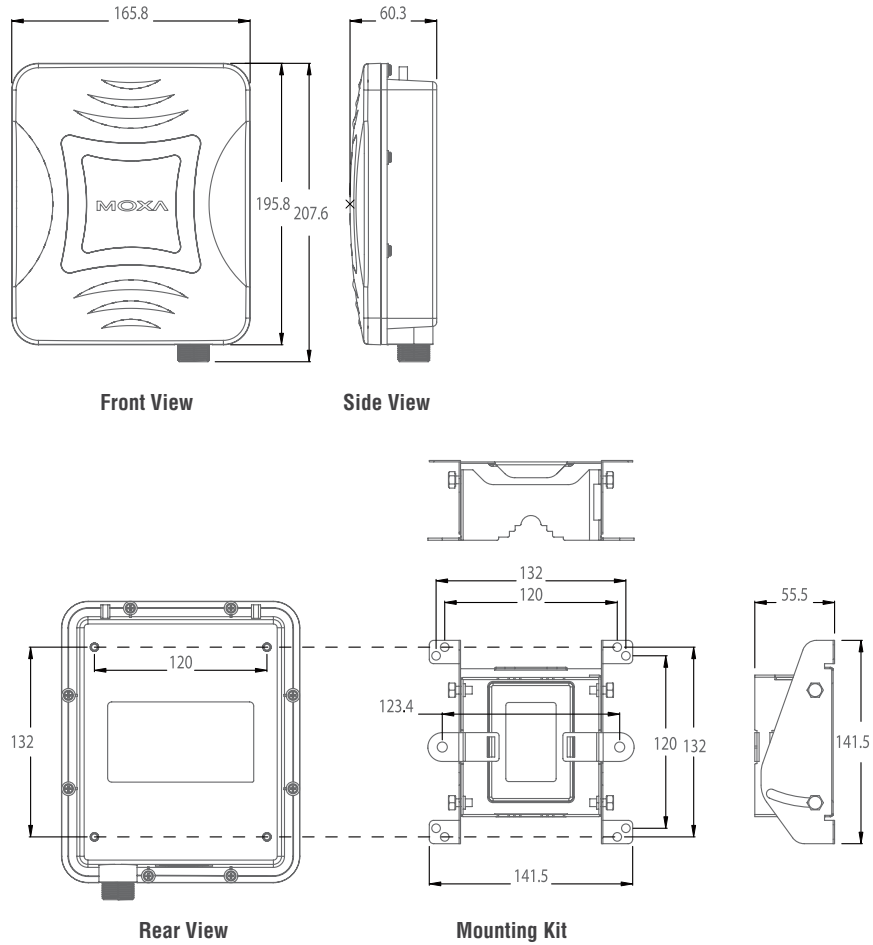
Side View



Rear View

Mounting Kit

[ AWK-1200-AC ]



**: Ordering Information**

- AWK-1200-AP-US:** IEEE802.11g/b IP68 Wireless AP/Bridge, -20 to 70°C, US band
- AWK-1200-AP-EU:** IEEE802.11g/b IP68 Wireless AP/Bridge, -20 to 70°C, Euro band
- AWK-1200-AC-US:** IEEE802.11g/b IP67 Wireless AP Client, -20 to 70°C, US band
- AWK-1200-AC-EU:** IEEE802.11g/b IP67 Wireless AP Client, -20 to 70°C, Euro band