



AC1200
MU-MIMO Wireless
Access Point



AC1200 MU-MIMO Wireless Access Point

Model: AP1300_P



HIGHLIGHT FEATURES

- Dual-Band Wi-Fi: Simultaneous 867 Mbps on 5 GHz and 300 Mbps on 2.4 GHz for totals 1167 Mbps Wi-Fi speeds.
- Flexible Power Supply: Support 802.3af/at, 24-57 V Passive PoE or 12 V DC.
- Advanced Wireless Technology: Optimize network performance with MU-MIMO, Band Steering, and Beamforming technologies.

HARDWARE FEATURES

Highlights:

- CPU: 880 MHz Dual-Core Processors
- Chip: MT7621DA+MT7613B+MT7603E
- Flash: 16 MB (128 Mbit)
- DDR: 128 MB (1 Gbit)

Interface:

- 1x Gigabit Ethernet (RJ-45) Port (Support IEEE802.3af PoE and Passive PoE)
- 1x Reset Button
- 1x DC Jack

Power Supply:

- 802.3af/at PoE
- 24-57 V Passive PoE (+4,5pins; -7,8pins)
- 12 V DC

Dimensions (W×D×H):

- 232×232×57.1mm

Antenna Type:

- 4 Internal Omni-directional Antennas

Mounting:

- Mounting kit included for
- Ceiling Mounting
 - Wall Mounting

WIRELESS FEATURES

Wireless Standard

- Wi-Fi 5 (802.11ac/n/g/b/a)

Frequency

- 2.4 GHz and 5 GHz

Signal Rate

- 5 GHz: Up to 867 Mbps
- 2.4 GHz: Up to 300 Mbps

Bandwidth

- 20/40/80 MHz

Transmit Power

- CE: <20 dBm (2.4 GHz)
<23 dBm (5.15 - 5.25 GHz)
- FCC: <30 dBm (2.4 GHz)
<30 dBm (5.15 - 5.825 GHz)

Wireless Functions

- Fast Roaming with Cudy Mesh
- Multiple SSID
- Enable/Disable Wireless Radio
- Transmit Power Control
- QoS(WMM)
- Band Steering
- MU-MIMO
- Beamforming
- Rate Limit
- Reboot Schedule
- Wireless Schedule
- Mesh (Requires a Cudy Mesh unit/Mesh router/AC as the gateway with firmware newer than 15.28)

Wireless Encryption

- WPA-PSK
- WPA2-PSK
- WPA-PSK/WPA2-PSK

Security

- Access Control
- Mac Filtering
- Wireless Isolation Clients
- VPN Server and Client
 - Zerotier, Wireguard, OpenVPN, IPSec, L2TP, PPTP
- DNS over TLS
 - Cloudflare, Google, Quad9

OPERATION MODES

- Wireless Access Point
- Wireless Router
- Wireless Extender
- WISP Mode
- Mesh (Satellite)

ENVIROMENTS:

- Operating Temperature: 0–40 °C (32–104 °F)
- Storage Temperature: -40–70 °C (-40–158 °F)
- Operating Humidity: 10–90% RH non-condensing
- Storage Humidity: 5–90% RH non-condensing

PACKAGE CONTENTS

- Access Point
- 48 V Passive PoE Adapter
- Mounting Kit
- Installation Guide

SYSTEM REQUIREMENTS

- Microsoft Windows, macOS, Linux, or Unix
- Firefox 12.0, Chrome 20.0, Safari 4.0, or other browser
- A Cable or DSL Modem, or other devices providing Internet
- Subscription with an internet service provider for internet access