

Powerful Mainstream Solution with High Speed AC1300 Wave 2 for Modern Business

CAP1300

2 x 2 AC1300 Wave 2 Dual-Band Ceiling-Mount PoE Access Point



KEY FEATURES

- **802.11ac Wave 2 High Speed Dual-Band:** IEEE 802.11ac concurrent dual-band with 1300Mbps (2.4GHz at 400Mbps and 5GHz at 867Mbps) wireless speed.
- **Efficient MU-MIMO:** Serves multiple devices simultaneously to enhance connected devices capacity.
- **High Performance Wi-Fi:** Beamforming improves Wi-Fi performance with targeted, directional signals for better range and reliability. AirTime Fairness (ATF) optimizes the Wi-Fi speed among each clients and eliminates Wi-Fi lag. Band steering balances channel utilization, enabling high capacity environment.
- **Compact & Durable Housing:** Ultra slim design with UL94-5VB flame-retardant plastic housing
- **Designed for High Density Usage:** Supports up to two hundred users simultaneously (one hundred users per band), ideal for crowded environments and BYOE (Bring Your Own Everything) workplace Wi-Fi connection.
- **Multiple SSIDs for Security Management:** Supports up to 32 SSIDs (16 x 2.4GHz & 16 x 5GHz) ideal for multiple departments, user groups, customers or guests.
- **802.11r/k Fast Roaming:** Roams smoothly between APs without lag or interruption, ensuring top performance for video and voice streaming applications.
- **Wide Coverage & High Sensitivity:** Adjustable RF output power and high receiver sensitivity for wide coverage across large spaces.
- **Power over Ethernet:** Supports IEEE 802.3af PoE as well as included power adapter.
- **Built-In RADIUS Server:** With management for up to 256 user accounts.
- **Business Environments:** Advanced choice for high-performance applications. Suitable for a wide range of commercial applications such as offices, hotels, meeting rooms, schools, campuses, resorts, retail and others.
- **Central Management:** Edimax Pro Network Management Suite (NMS) for easy and intuitive web-based central management that supports AP array architecture.

The CAP1300 is a powerful wireless solution designed to meet the needs of modern mainstream businesses with the latest IEEE 802.11ac Wave 2 technology for dual-band wireless speeds up to 1300Mbps. Featuring with MU-MIMO (Multiple User – Multiple In Multiple Out) enhanced devices capacity and Beamforming, AirTime Fairness, Band Steering improved Wi-Fi range, reliability and performance. Industrial-grade performance and build quality combined with user-friendly operation, super-fast wireless speed, an extensive feature set and a practical, ceiling-mount design make an ideal solution for enterprise environments.

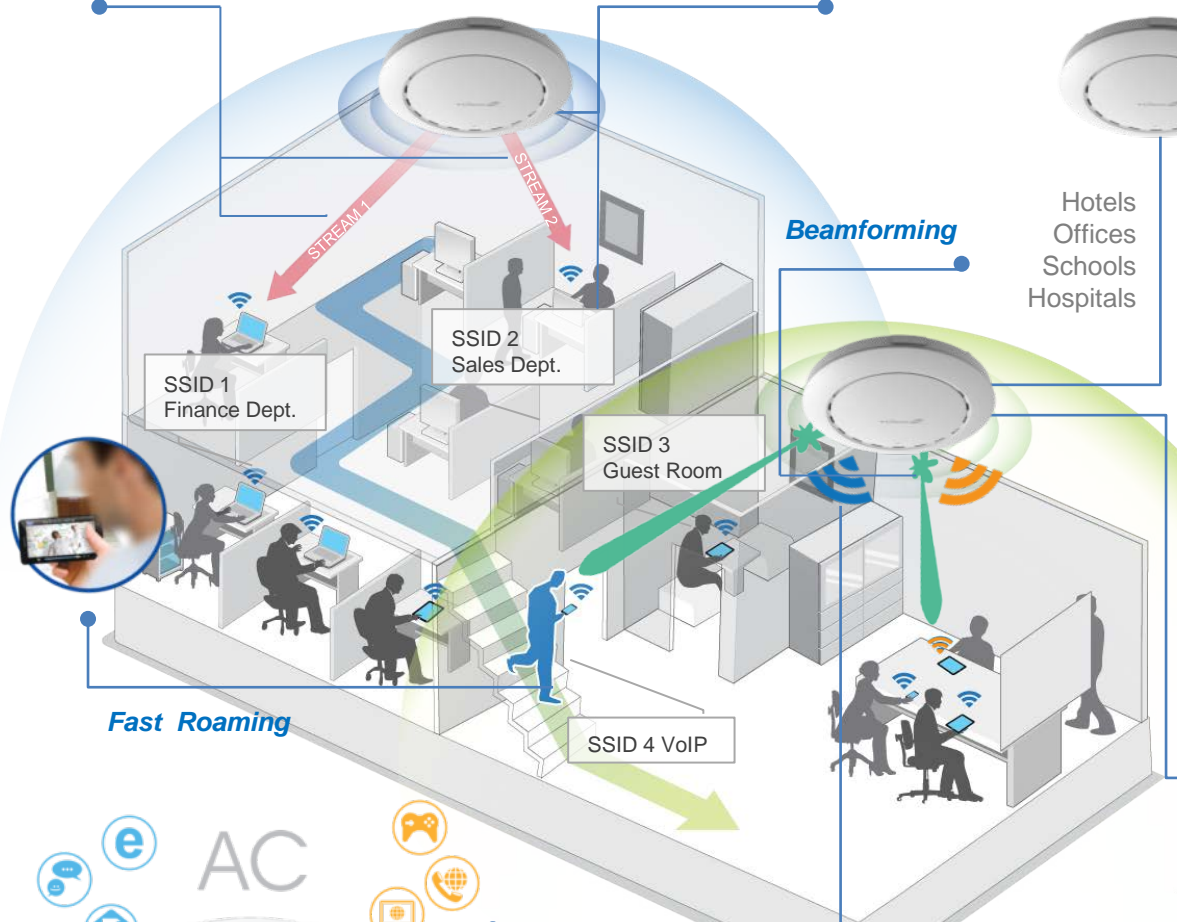
For businesses that demand security, flexibility and speed – the Edimax Pro series has a wide range of potential applications from office environments to schools, campuses, hotels and hospitals. High-density capacity for up to 200 simultaneous users, is ideal for BYOE workplaces or other environments with a high volume of users and wireless devices. Multiple SSIDs can be configured for different departments or user groups and a built-in RADIUS server provides additional verification with a scalable AP array architecture for central management of multiple access points. 802.11r/k Fast Roaming for seamless transitions between access points, Power over Ethernet support (PoE) and an intuitive web-based management interface provides flexibility for deployment and extensive management options for company MIS departments and network administrators.

When performance and security are critical for your business, you need products that are engineered for your industry. The Edimax Pro series is designed to help your business and provide the connectivity that you rely on every day, with safety and effectiveness guaranteed.

MU-MIMO

Wide Coverage & Multiple SSIDs

BYOE Solution & High Density Networking



Hotels
Offices
Schools
Hospitals

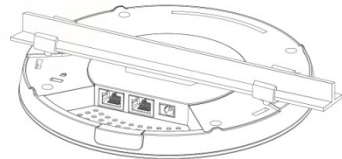


Beamforming

Fast Roaming

Easy Installation Kit

Ceiling mount and T-rail mount with bracket.

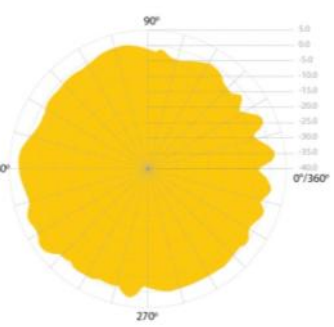
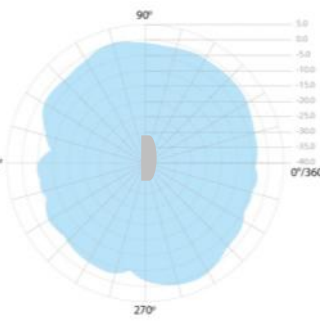
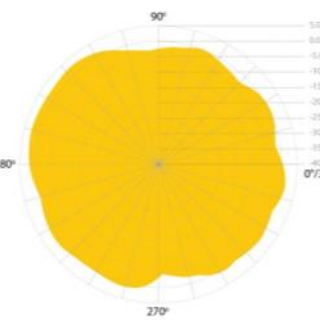
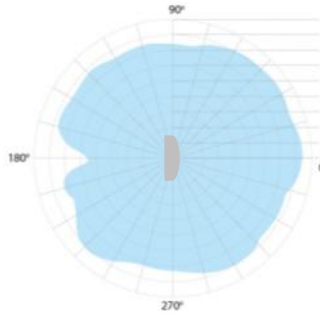


AC

400Mbps
2.4GHz
n g b

867Mbps
5GHz
ac n a

Concurrent Dual-Band



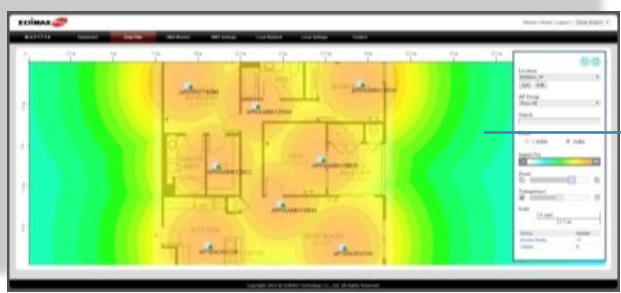
2.4GHz
2D Radiation Pattern@ Vertical

5GHz
2D Radiation Pattern@ Vertical

2.4GHz
2D Radiation Pattern@ Horizontal

5GHz
2D Radiation Pattern@ Horizontal

Central Network Management Suite



Edimax Pro NMS (Network Management Suite) is a web-based wireless network management system. Company MIS persons can plan and manage Edimax Pro access points' powerful functionality according to their office space using an easy, remote web-based interface which includes a dashboard, map view, traffic statistics and wireless client list for network-wide remote administration. RADIUS settings, WLAN group settings, access control, guest network settings and firmware upgrades can all be managed centrally from a single location to reduce network downtime, aid troubleshooting and optimize network performance. Zone plans and setup wizards are also available for expanding and managing large networks with multiple access points.

2 x 2 AC1300 Wave 2 Dual-Band Ceiling-Mount PoE Access Point

SPECIFICATIONS

Hardware	
LAN Interface	Giga x 2
PoE	LAN1: PoE in
Antenna	Type: 4 x Built-In PIFA (2 x 2.4GHz, 2 x 5GHz) / Gain: 4dBi (2.4GHz), 5dBi (5GHz) Max.
Power	DC: 12V / 1A 802.3af (PoE Injector Optional)
Dimensions (L x W x H)	17.6 (D) x 3.2 (H) cm
Weight	342g
Power Consumption (Full Loading)	11W
Mounting	Ceiling
Reset	Reset
LED Indicator	1. Power LED 2. Diag LED
Environmental Conditions	Operating Temperature: 0°C (32°F) to 40°C (104°F) Operating Humidity: 90% or Less
Power Saving	802.3az
Internal Buzzer	Y
Housing	UL94-5VB Flammability Rating
Others	Kensington Security Slot & Ceiling/Wall Mount Holes
Wireless	
Standard	802.11 a/b/g/n/ac Concurrent Dual-Band
No. of Radios	2
Receiver Sensitivity	≤ -93Bm
Certification	CE/FCC
802.11 r/k	Y
Fast Roaming	Y
Band Steering	Y
AirTime Fairness	Y
Beamforming	Y
Number of SSIDs	16 (2.4GHz) + 16 (5GHz)
Performance	
Maximum Data Speed	400 + 867Mbps
Concurrent Clients	Up to 100 Per Radio
Security	
Encryption	WEP / WPA / WPA2
Wireless L2 Isolation	Y
Station Isolation	Y
IEEE 802.1x Authenticator	Y
EAP Authentication	PEAP
Hidden SSID	Y
MAC Address Filter	Y
Wireless STA	Y
Rogue AP Detection (w/ NMS)	Y
Software	
Wireless Mode	AP / WDS AP / WDS Bridge / Client
802.1q VLAN	Y (VID = 1-4095)
Spanning Tree	RSTP
QoS	WMM (802.11e) Max Associated Station No.
Pass-Through	IPv6 and VPN (PPTP, L2TP/IPsec)
DSCP (802.1p)	Y
Multicast Rate up to 54Mbps	Y

RF Specifications							
Frequency Band	<ul style="list-style-type: none"> •Radio I : 802.11b/g/n 2.412~2.484(GHz) •Radio II : 802.11a/n/ac 5.18~5.24(GHz), 5.745~5.825(GHz) (The supported frequency band is restricted by local regulations.)						
Operation Channels	<ul style="list-style-type: none"> •2.4GHz : US/Canada 1-11; 2.412~2.462GHz Europe 1-13; 2.412~2.472GHz Japan 1-14; 2.412~2.484GHz •5GHz : Country dependent for the following ranges: US/Canada: Band 1:36, 40, 44, 48; 5.180~5.240(GHz) Band 2: 52, 56, 60, 64;5.260~5.320(GHz) Band 3: 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140;5.500~5.700(GHz) Band 4:149, 153, 157, 161, 165; 5.745~5.825(GHz) Europe: Band 1:36, 40, 44, 48; 5.180~5.240(GHz) Band 2: 52, 56, 60, 64;5.260~5.320(GHz) Band 3: 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140; 5.500~5.700(GHz) 						
Transmit Power	<table border="0"> <tr> <td>802.11b 20dBm @ 1Mbps 20dBm @ 2Mbps 20dBm @ 5.5Mbps 20dBm @ 11Mbps</td> <td>802.11a 19dBm @ 6Mbps 19dBm @ 9Mbps 18dBm @ 12Mbps 18dBm @ 18Mbps 17dBm @ 24Mbps 17dBm @ 36Mbps 16dBm @ 48Mbps 16dBm @ 54Mbps</td> </tr> <tr> <td>802.11g 20dBm @ 6Mbps 20dBm @ 9Mbps 19dBm @ 12Mbps 19dBm @ 18Mbps 18dBm @ 24Mbps 18dBm @ 36Mbps 17dBm @ 48Mbps 17dBm @ 54Mbps</td> <td>802.11an(5G) 19dBm @ MCS0/8 19dBm @ MCS1/9 18dBm @ MCS2/10 18dBm @ MCS3/11 17dBm @ MCS4/12 17dBm @ MCS5/13 16dBm @ MCS6/14 16dBm @ MCS7/15</td> </tr> <tr> <td>802.11gn (2.4G) 20dBm @ MCS0/8 19dBm @ MCS1/9 19dBm @ MCS2/10 18dBm @ MCS3/11 18dBm @ MCS4/12 17dBm @ MCS5/13 17dBm @ MCS6/14 16dBm @ MCS7/15</td> <td>802.11ac 18dBm @ MCS0 18dBm @ MCS1 18dBm @ MCS2 17dBm @ MCS3 17dBm @ MCS4 17dBm @ MCS5 16dBm @ MCS6 16dBm @ MCS7 15dBm @ MCS8 14dBm @ MCS9</td> </tr> </table>	802.11b 20dBm @ 1Mbps 20dBm @ 2Mbps 20dBm @ 5.5Mbps 20dBm @ 11Mbps	802.11a 19dBm @ 6Mbps 19dBm @ 9Mbps 18dBm @ 12Mbps 18dBm @ 18Mbps 17dBm @ 24Mbps 17dBm @ 36Mbps 16dBm @ 48Mbps 16dBm @ 54Mbps	802.11g 20dBm @ 6Mbps 20dBm @ 9Mbps 19dBm @ 12Mbps 19dBm @ 18Mbps 18dBm @ 24Mbps 18dBm @ 36Mbps 17dBm @ 48Mbps 17dBm @ 54Mbps	802.11an(5G) 19dBm @ MCS0/8 19dBm @ MCS1/9 18dBm @ MCS2/10 18dBm @ MCS3/11 17dBm @ MCS4/12 17dBm @ MCS5/13 16dBm @ MCS6/14 16dBm @ MCS7/15	802.11gn (2.4G) 20dBm @ MCS0/8 19dBm @ MCS1/9 19dBm @ MCS2/10 18dBm @ MCS3/11 18dBm @ MCS4/12 17dBm @ MCS5/13 17dBm @ MCS6/14 16dBm @ MCS7/15	802.11ac 18dBm @ MCS0 18dBm @ MCS1 18dBm @ MCS2 17dBm @ MCS3 17dBm @ MCS4 17dBm @ MCS5 16dBm @ MCS6 16dBm @ MCS7 15dBm @ MCS8 14dBm @ MCS9
802.11b 20dBm @ 1Mbps 20dBm @ 2Mbps 20dBm @ 5.5Mbps 20dBm @ 11Mbps	802.11a 19dBm @ 6Mbps 19dBm @ 9Mbps 18dBm @ 12Mbps 18dBm @ 18Mbps 17dBm @ 24Mbps 17dBm @ 36Mbps 16dBm @ 48Mbps 16dBm @ 54Mbps						
802.11g 20dBm @ 6Mbps 20dBm @ 9Mbps 19dBm @ 12Mbps 19dBm @ 18Mbps 18dBm @ 24Mbps 18dBm @ 36Mbps 17dBm @ 48Mbps 17dBm @ 54Mbps	802.11an(5G) 19dBm @ MCS0/8 19dBm @ MCS1/9 18dBm @ MCS2/10 18dBm @ MCS3/11 17dBm @ MCS4/12 17dBm @ MCS5/13 16dBm @ MCS6/14 16dBm @ MCS7/15						
802.11gn (2.4G) 20dBm @ MCS0/8 19dBm @ MCS1/9 19dBm @ MCS2/10 18dBm @ MCS3/11 18dBm @ MCS4/12 17dBm @ MCS5/13 17dBm @ MCS6/14 16dBm @ MCS7/15	802.11ac 18dBm @ MCS0 18dBm @ MCS1 18dBm @ MCS2 17dBm @ MCS3 17dBm @ MCS4 17dBm @ MCS5 16dBm @ MCS6 16dBm @ MCS7 15dBm @ MCS8 14dBm @ MCS9						
Receiver Sensitivity	<table border="0"> <tr> <td>802.11b ≤-93dBm @ 1Mbps ≤-85dBm @ 11Mbps</td> <td>802.11a ≤-85dBm @ 6Mbps ≤-68dBm @ 54Mbps</td> </tr> <tr> <td>802.11g ≤-86dBm @ 6Mbps ≤-70dBm @ 54Mbps</td> <td>802.11an(5G) ≤-85dBm @ MCS0 ≤-64dBm @ MCS7</td> </tr> <tr> <td>802.11gn (2.4G) ≤-86dBm @ MCS0 ≤-62dBm @ MCS8 ≤-57dBm @ MCS9</td> <td>802.11ac ≤-85dBm @ MCS0 ≤-61dBm @ MCS8 ≤-54dBm @ MCS9</td> </tr> </table>	802.11b ≤-93dBm @ 1Mbps ≤-85dBm @ 11Mbps	802.11a ≤-85dBm @ 6Mbps ≤-68dBm @ 54Mbps	802.11g ≤-86dBm @ 6Mbps ≤-70dBm @ 54Mbps	802.11an(5G) ≤-85dBm @ MCS0 ≤-64dBm @ MCS7	802.11gn (2.4G) ≤-86dBm @ MCS0 ≤-62dBm @ MCS8 ≤-57dBm @ MCS9	802.11ac ≤-85dBm @ MCS0 ≤-61dBm @ MCS8 ≤-54dBm @ MCS9
802.11b ≤-93dBm @ 1Mbps ≤-85dBm @ 11Mbps	802.11a ≤-85dBm @ 6Mbps ≤-68dBm @ 54Mbps						
802.11g ≤-86dBm @ 6Mbps ≤-70dBm @ 54Mbps	802.11an(5G) ≤-85dBm @ MCS0 ≤-64dBm @ MCS7						
802.11gn (2.4G) ≤-86dBm @ MCS0 ≤-62dBm @ MCS8 ≤-57dBm @ MCS9	802.11ac ≤-85dBm @ MCS0 ≤-61dBm @ MCS8 ≤-54dBm @ MCS9						
Management							
Deployment	Standalone Managed by Edimax Pro NMS						
Configuration	HTTP/HTTPS SNMP v1, v2c, v3 CLI (Telnet, SSH)						
RADIUS Server	Built-In						
Auto-Channel	Y						
Private MIB	Y						
Package Contents							
Access Point	AC1300 Ceiling Mount PoE Access Point						
Mounting Bracket	Ceiling-Mount & T-rail Mount Bracket Kit						
Power Adapter	12V / 1A Power Adapter						
Cable	Ethernet Cable						
CD / Quick Installation Guide	CD (User Manual & Multi-Language Quick Installation Guide) / Printed English Quick Installation Guide						
Accessories							
Optional	GP-101IT IEEE802.3at PoE Injector						

Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice. Copyright © 2017 Edimax Technology Co. Ltd. All rights reserved.



www.edimax.com