Powerful Outdoor Solution with High Speed AC1300 for Modern Business

OAP1300

2 x 2 AC Dual-Band Outdoor PoE Access Point

KEY FEATURES

•**802.11ac High Speed Dual-Band:** IEEE 802.11ac concurrent dual-band with 1300Mbps wireless speed.
•**Multi-Device (MU-MIMO):** Efficient MU-MIMO (Multiple User - Multiple Input Multiple Output) technology serves multiple devices simultaneously.
•**Easy Installation:** Wall-mount or pole-mounted design with easy installation kit.
•**Rugged Construction:** IP56 weatherproof housing can perform normally under rigorous weather.
•**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.
•**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.
•**Seamless Mobility:** 1.5x greater coverage than typical APs for blanket coverage to ensure seamless connectivity for Wi-Fi devices across enterprise environments.
•**Power over Ethernet In/Out:** Supports IEEE 802.3at PoE and IEEE 802.3af PSE, PoE out (802.3af) to power another PoE device such as IP camera or outdoor AP.
•**Built-in Lighting Arrester:** Built-in withstands up to 10 kA current provides lightning protection for your wireless equipment.
•**Built-In RADIUS Server:** With management for up to 256 user accounts.
•**Central Management:** Edimax Pro Network Management Suite (NMS) for easy and intuitive web-based central management that supports AP array architecture.
•**Works with Office 1-2-3 Wi-Fi System**: The Office 1-2-3 system is a simple, secure, complete and expandable Office 1-2-3 Wi-Fi network solution. With upgradeable firmware for full Office 1-2-3 system compatibility, the integration supports guest, employee and device networks to offer a perfect solution for Office with outdoor area or warehouse.

The OAP1300 features an IP56 rated weatherproof housing and provides a premium wireless solution designed for SMBs which demand elite network performance. The product features the latest 2 x 2 IEEE 802.11ac technology for wireless speeds up to 1300Mbps. A wall or pole-mounted design and industrial-grade build quality combined with user-friendly operation and extensive feature set, make an ideal high-performance solution for demanding day-to-day enterprise outdoor long range Wi-Fi and Point-to-Point applications such as WISP clients, Internet sharing, wireless surveillance in multi-tenant units (MTUs) and multi-dwelling units (MDUs) with PoE and easy installation mounting kits.

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. 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. High-density capacity for up to 200 simultaneous clients (100 clients per band), ideal for BYOE workplaces or other environments with a high volume of clients and wireless devices, and fast roaming allows for seamless transitions between multiple access points. Power over Ethernet (PoE) support and an intuitive web-based management interface provide deployment flexibility 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, and the OAP1300 offers the highest level of wireless performance on the market today.

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.
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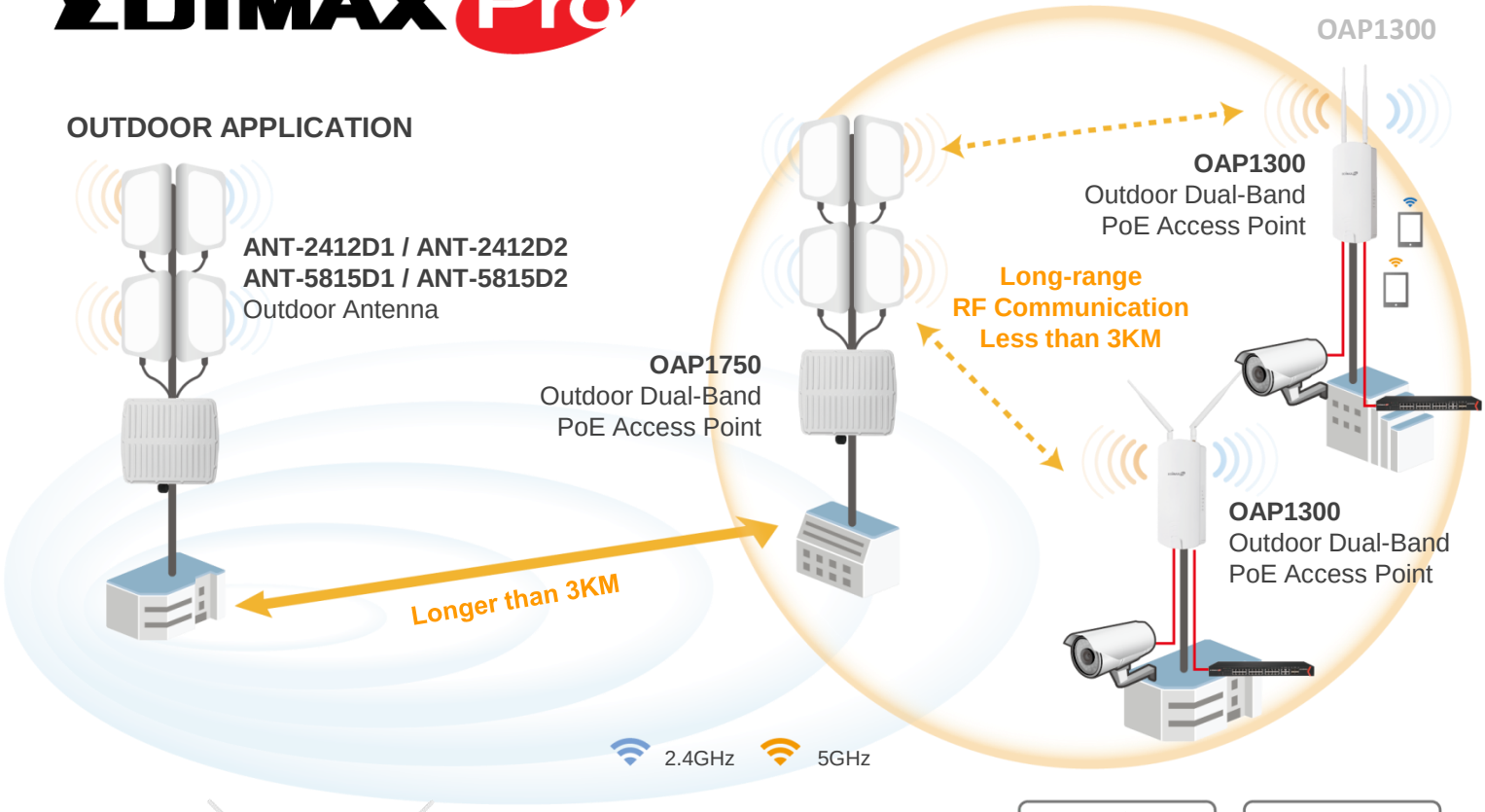
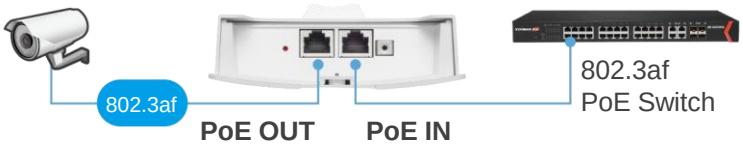
OUTDOOR APPLICATION

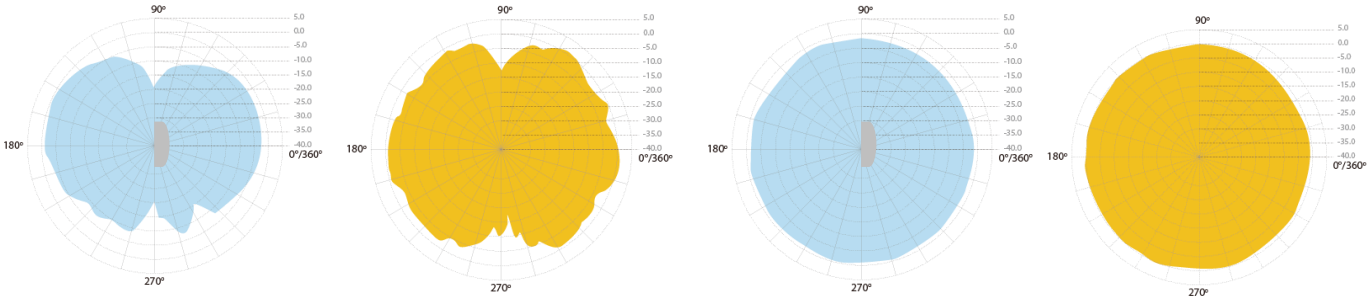


AC1300
Dual-Band

IP56 Rated
Weatherproof
& Dustproof

PoE IP Camera





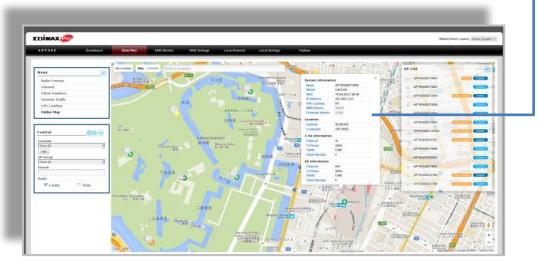
2.4GHz
2D Radiation Pattern@ Vertical

5GHz
2D Radiation Pattern@ Vertical

2.4GHz
2D Radiation Pattern@ Horizontal

5GHz
2D Radiation Pattern@ Horizontal

Central Network Management Suite



Google Map
-Intuitive Outdoor AP Management

Edimax Pro NMS (Network Management Suite) is a web-based wireless network management system. Company MIS administrators 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. The OAP1300 can be managed by Edimax Pro indoor access points or a standalone Edimax Pro APC500 AP Controller. 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. Graphical zone plans with Google Maps integration and setup wizards are also available for expanding and managing large networks with multiple access points, with custom floor plans, visual overviews and easy drag-and-drop icons for quick access to key performance and monitoring information.

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SPECIFICATIONS

Hardware	
LAN Interface	Giga x 2
PoE	LAN1: PoE IN (802.3at) LAN2: PoE OUT (802.3af)
Antenna	Type: External Gain: 5dBi (2.4GHz), 7dBi (5GHz)
Power	802.3at (PoE Injector Optional)
Dimensions (L x W x H)	27.18 x 12.09 x 3.5 cm
Weight	592g
Power Consumption (Full Loading)	11W
Mounting	Pole/Wall
Reset	Reset
LED Indicator	Power, Status, LAN(PD) , LAN(PSE), 2.4G, 5G
Environmental Conditions	Operating Temperature: -40˚C (-40˚F) to 60˚C (140˚F) Operating Humidity: 90% or Less
Power Saving	802.3az
Internal Buzzer	Y
Housing	Outdoor IP56 Weatherproof Rated
Wireless	
Standard	802.11 a/b/g/n/ac Concurrent Dual-Band
No. of Radios	2
Receiver Sensitivity	≤ -93Bm
Certification	CE/FCC
Fast Roaming	Y
Number of SSIDs	16 (2.4GHz) + 16 (5GHz)
Performance	
Maximum Data Speed	400 + 866Mbps
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	•Radio Ⅰ: 802.11b/g/n 2.412~2.484(GHz) •Radio Ⅱ: 802.11a/n/ac 5.18~5.24(GHz), 5.26~5.32(GHz), 5.5~5.7(GHz), 5.745~5.825(GHz) (The supported frequency band is restricted by local regulations.)	
Operation Channels	•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;5.500~5700(GHz) Band 4:149, 153, 157, 161, 165; 5.745~5.825(GHz) Europe: Band 3: 100、104、108、112、116、120、124、128、132、136、140; 5.500~5700(GHz)	
Transmit Power	802.11b 20dBm@1Mbps 20dBm@2Mbps 20dBm@5.5Mbps 20dBm@11Mbps 802.11g 20dBm@6Mbps 20dBm@9Mbps 20dBm@12Mbps 19dBm@18Mbps 19dBm@24Mbps 18dBm@36Mbps 17dBm@48Mbps 17dBm@54Mbps 802.11gn (2.4G) 20dBm@MCS0/8 20dBm@MCS1/9 20dBm@MCS2/10 19dBm@MCS3/11 19dBm@MCS4/12 18dBm@MCS5/13 17dBm@MCS6/14 17dBm@MCS7/15	802.11a 20dBm@6Mbps 20dBm@9Mbps 20dBm@12Mbps 19dBm@18Mbps 19dBm@24Mbps 18dBm@36Mbps 17dBm@48Mbps 16dBm@54Mbps 802.11an(5G) 20dBm@MCS0/8 20dBm@MCS1/9 19dBm@MCS2/10 19dBm@MCS3/11 18dBm@MCS4/12 17dBm@MCS5/13 16dBm@MCS6/14 15dBm@MCS7/15 802.11ac 20dBm@MCS0 20dBm@MCS1 20dBm@MCS2 19dBm@MCS3 19dBm@MCS4 18dBm@MCS5 17dBm@MCS6 17dBm@MCS7 17dBm@MCS8 15dBm@MCS9
Receiver Sensitivity	802.11b ≤-93dBm@1Mbps ≤-85dBm@11Mbps 802.11g ≤-86dBm@6Mbps ≤-70dBm@54Mbps 802.11gn (2.4G) ≤-86dBm@MCS0 ≤-62dBm@MCS8 ≤-57dBm@MCS9	802.11a ≤-85dBm@6Mbp ≤-68dBm@54Mbps 802.11an(5G) ≤-85dBm@MCS0 ≤-64dBm@MCS7 802.11ac ≤ -85dBm@MCS0 ≤ -61dBm@MCS8 ≤ -54dBm@MCS9
Management		
Deployment	**Standalone** (AP mode)	
	Managed AP mode: 1) Managed by AP Controller (APC500) or Edimax Pro Master AP 2) Managed by Office 1-2-3 Master AP (with dedicated firmware)	
Configuration	HTTP/HTTPS	
	SNMP v1, v2c, v3	
	CLI (Telnet, SSH)	
RADIUS Server	Built-In	
Auto-Channel	Y	
Private MIB	Y	
Accessories		
Mounting Brackets	Wall-Mount & Pole-Mount Bracket Kit	
Antennas	2.4GHz /5GHz Omni x 2	
Optional Accessories	**GP-101IT**	IEEE802.3at PoE Injector

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NETWORKING PEOPLE TOGETHER

Edimax Technology Co., Ltd
No. 278, Xinhu 1st Rd., Neihu Dist.,
Taipei City, Taiwan
Email: sales@edimax.com.tw

Edimax Technology Europe B.V.
Fijenhof 2, 5652 AE Eindhoven,
The Netherlands
Email: sales@edimax.nl

Edimax Computer Company
3350 Scott Blvd., Bldg. 15 , Santa Clara,
CA 95054, USA
Email : sales@edimax.com