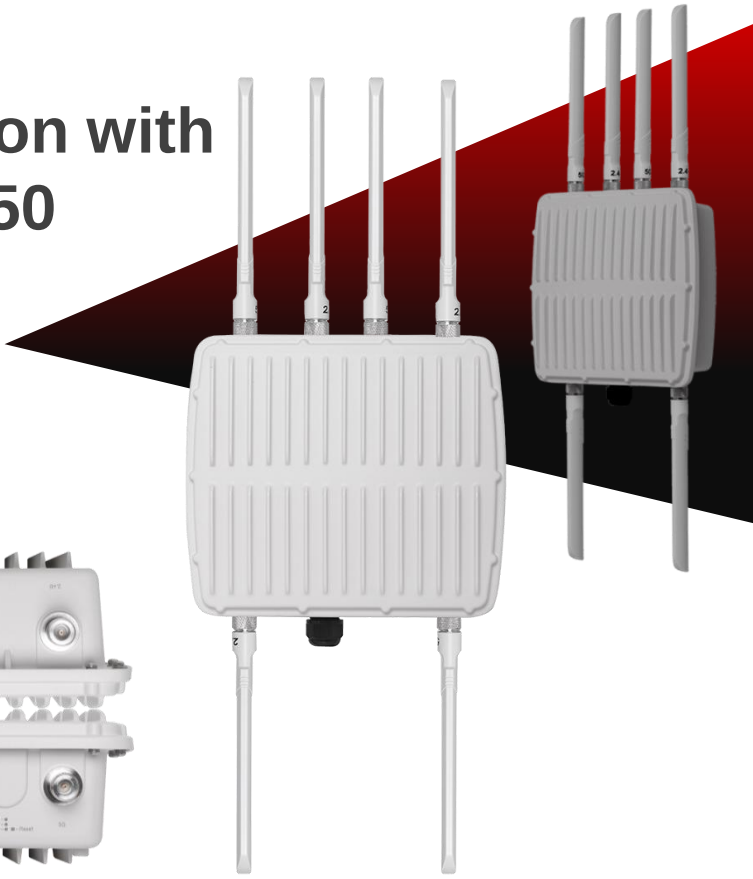
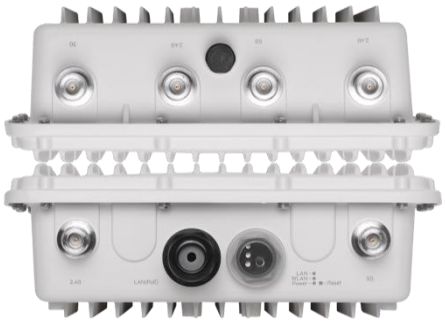
Premium Outdoor Solution with Super-High Speed AC1750 for Elite Performance



OAP1750

3 x 3 AC Dual-Band Outdoor PoE Access Point



KEY FEATURES

•**802.11AC Dual-Band High Speed:** IEEE 802.11ac concurrent dual-band with 1750Mbps wireless speed.
•**Easy Installation:** Wall-mount or pole-mounted design with easy installation kit.
•**Rugged Construction:** IP67 weatherproof & dustproof housing and die-cast aluminum, corrosion resistant enclosure, salt, fog, rust ASTM B117 weather shield to survive the most challenging environments.
•**Designed for High Density Usage:** Supports up to a hundred users simultaneously, ideal for crowded environments and BYOD (Bring Your Own Device) workplaces.
•**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:** Supports IEEE 802.3at PoE.
•**Built-In RADIUS Server:** With management for up to 256 user accounts.
•**Business Outdoor Environments:** Advanced choice for high-performance applications. Suitable for a wide range of commercial applications such as across university campus, stadiums, outdoor malls, hotels and along side rivers, highways, railways and others.
•**Central Management:** Edimax Pro Network Management Suite (NMS) for easy and Intuitive web-based central management. AP built-in with NMS supports AP array architecture.

The OAP1750 features an IP67 rated weatherproof, dustproof and rust-resistant metal casted housing and provides a premium wireless solution designed for SMBs which demand elite network performance. The product features the latest 3 x 3 IEEE 802.11ac technology for concurrent dual-band wireless speeds up to 1750Mbps. 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 dual-band solution for demanding day-to-day enterprise operations.

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 100 simultaneous clients ideal for BYOD 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 support (PoE) 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 OAP1750 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 BYOD Solution & High Density Networking

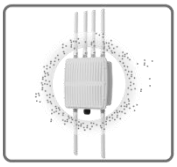


Hotels
Offices
Schools
Hospitals

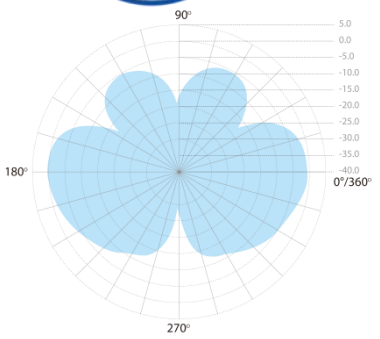
Wide Coverage & Multiple SSIDs

Concurrent Dual-Band

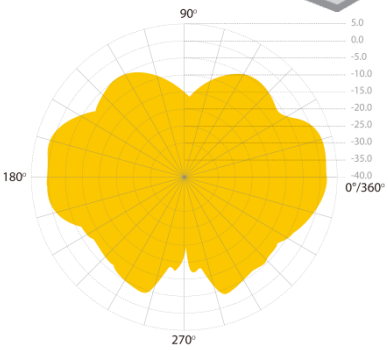
IP67 Weatherproof & Dustproof



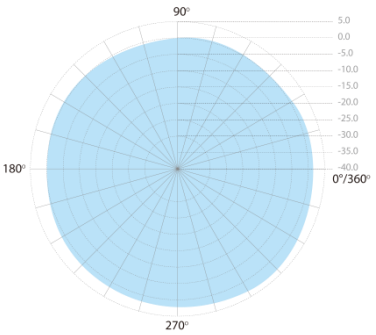
Fast Roaming



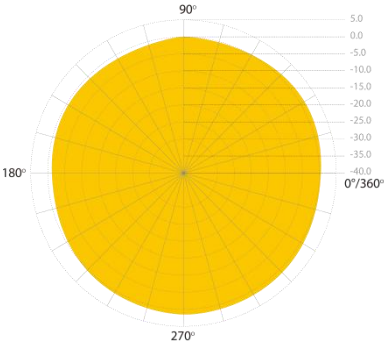
2.4GHz
2D Radiation Pattern@ Vertical



5GHz
2D Radiation Pattern@ Vertical



2.4GHz
2D Radiation Pattern@ Horizontal



5GHz
2D Radiation Pattern@ Horizontal

*NMS is built-in with Edimax Pro CAP, WAP series & OAP1750 access point.

Central Network Management: NMS

Work with Edimax Pro NMS (Network Management Suite)* web-based wireless network management software. 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. 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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3 x 3 AC Dual-Band Outdoor PoE Access Point

SPECIFICATIONS

Hardware	
LAN Interface	Giga x 1
PoE	802.3at
Antenna	Type: 6 x External / Gain: 4dBi (2.4GHz), 6dBi (5GHz)
Power	802.3at (PoE Injector Optional)
Dimensions (L x W x H)	25.67 x 22.67 x 9.03 cm
Weight	2980g
Power Consumption (Full Loading)	22W
Mounting	Pole/Wall
WPS/Reset	Reset
LED Indicator	1. Power LED 2. WLAN LED 3. LAN LED
Environmental Conditions	Operating Temperature: -40˚C (-40˚F) to 70˚C (158˚F) Storage Temperature: -40˚C (-40˚F) to 80˚C (176˚F)
	Operating Humidity: 90% or Less Storage Humidity: 90% or Less
Power Saving	802.3az
Internal Buzzer	Y
Housing	Outdoor IP67 rated, die-cast aluminum, corrosion resistant enclosure, salt, fog, rust ASTM B117
Wireless	
Standard	802.11 a/b/g/n/ac Concurrent Dual-Band
No. of Radios	2
Receiver Sensitivity	≤ -94.5Bm
Certification	CE/FCC
Fast Roaming	Y
Number of SSIDs	16 (2.4GHz) + 16 (5GHz)
Performance	
Maximum Data Speed	450 + 1300Mbps
Concurrent Clients	Up to 50 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 (CE: 20dBm or lower, FCC:23dBm or lower)	802.11b 23dBm@1Mbps 23dBm@2Mbps 23dBm@5.5Mbps 23dBm@11Mbps 802.11g 23dBm@6Mbps 23dBm@9Mbps 23dBm@12Mbps 23dBm@18Mbps 23dBm@24Mbps 22dBm@36Mbps 20dBm@48Mbps 19dBm@54Mbps 802.11gn (2.4G) 27.5dBm@MCS0/8/16 26.5dBm@MCS1/9/17 26.5dBm@MCS2/10/18 26.5dBm@MCS3/11/19 25.5dBm@MCS4/12/20 24.5dBm@MCS5/13/21 23.5dBm@MCS6/14/22 22.5dBm@MCS7/15/23	802.11a 22dBm@6Mbps 22dBm@9Mbps 22dBm@12Mbps 22dBm@18Mbps 22dBm@24Mbps 21dBm@36Mbps 19dBm@48Mbps 18dBm@54Mbps 802.11an(5G) 27.5dBm@MCS0/8/16 26.5dBm@MCS1/9/17 26.5dBm@MCS2/10/18 25.5dBm@MCS3/11/19 25.5dBm@MCS4/12/20 24.5dBm@MCS5/13/21 23.5dBm@MCS6/14/22 22.5dBm@MCS7/15/23 802.11ac 27.5dBm@MCS0 26.5dBm@MCS1 26.5dBm@MCS2 25.5dBm@MCS3 25.5dBm@MCS4 24.5dBm@MCS5 23.5dBm@MCS6 22.5dBm@MCS7 20.5dBm@MCS8 19.5dBm@MCS9
Receiver Sensitivity	802.11b ≤-93dBm@1Mbps ≤-90dBm@11Mbps 802.11g ≤-90dBm@6Mbps ≤-74dBm@54Mbps 802.11gn (2.4G) ≤-94.5dBm@MCS0 ≤-76.5dBm@MCS7 ≤-90dBm@MCS8 ≤-72dBm@MCS15 ≤-90dBm@MCS16 ≤-72dBm@MCS23	802.11a ≤-90dBm@6Mbp ≤-72dBm@54Mbps 802.11an(5G) ≤-94.5dBm@MCS0 ≤-70.5dBm@MCS7 ≤-90dBm@MCS8 ≤-66dBm@MCS15 ≤-90dBm@MCS16 ≤-66dBm@MCS23 802.11ac ≤ -90.5dBm@MCS0 ≤ -60.5dBm@MCS9
Management		
Deployment	**Standalone:** AP mode	
	Master AP mode: Can manage 16 Edimax Pro APs with NMS	
	Managed AP mode: Be managed by AP Controller (APC500), Edimax Pro Master AP with NMS software	
Configuration	HTTP/HTTPS	
	SNMP v1, v2c, v3	
	CLI (Telnet, SSH)	
RADIUS Server	Built-In	
Auto-Channel	Y	
Private MIB	Y	
Package Contents		
Access Point	AC1750 Outdoor PoE Access Point	
Antenna	2.4GHz Omni x3 & 5GHz Omni x 3	
Mounting Bracket	Wall-Mount & Pole-Mount Bracket Kit	
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 **ANT-2412D1/D2** Directional Panel Antenna 2.4GHz **ANT-5815D1/D2** Directional Panel Antenna 5GHz **LT-610** Outdoor Lightning Arrester	

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NETWORKING PEOPLE TOGETHER

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