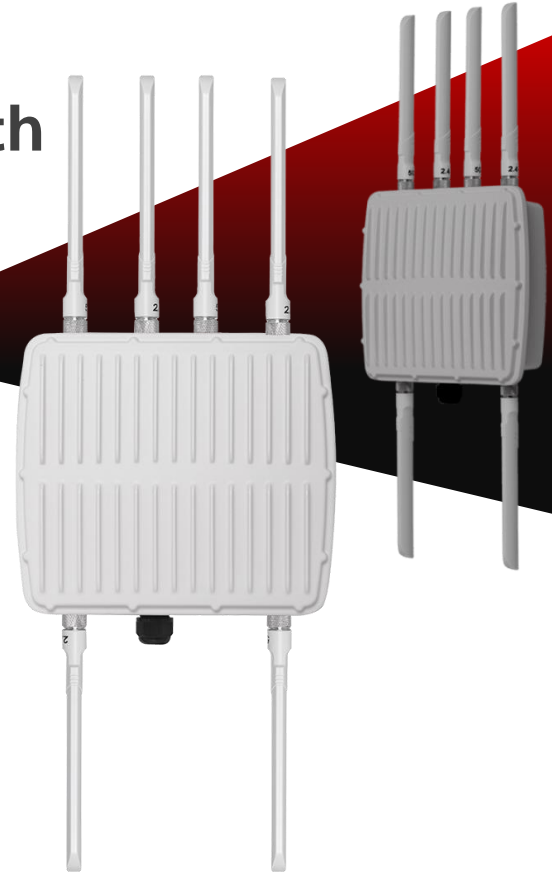
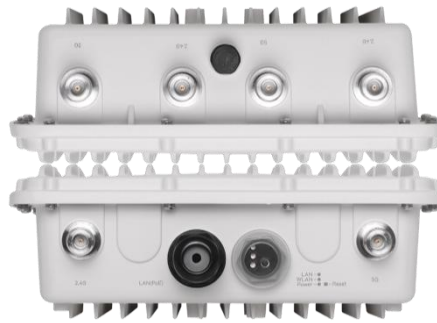


## Premium Outdoor Solution with Super-High Speed AC1750 for Elite Performance

OAP1750

3 x 3 AC Dual-Band Outdoor PoE Access Point



### KEY FEATURES

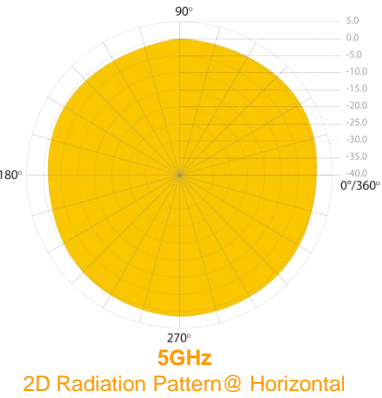
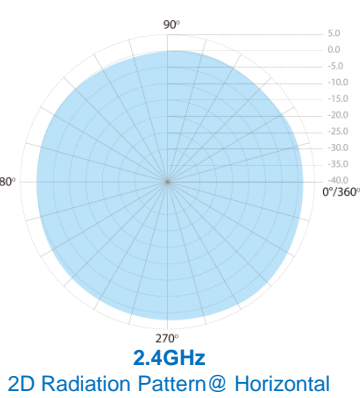
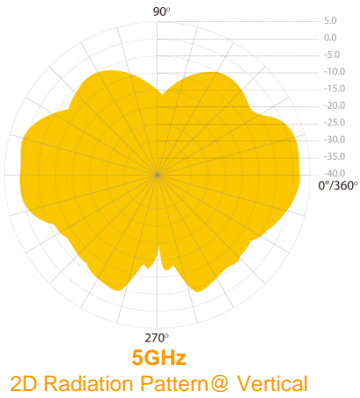
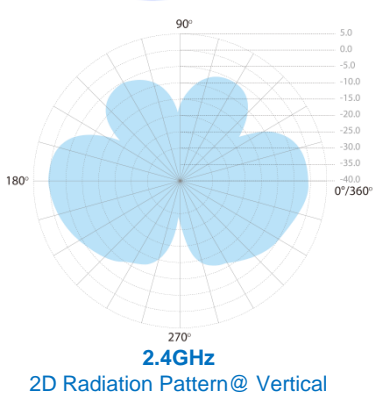
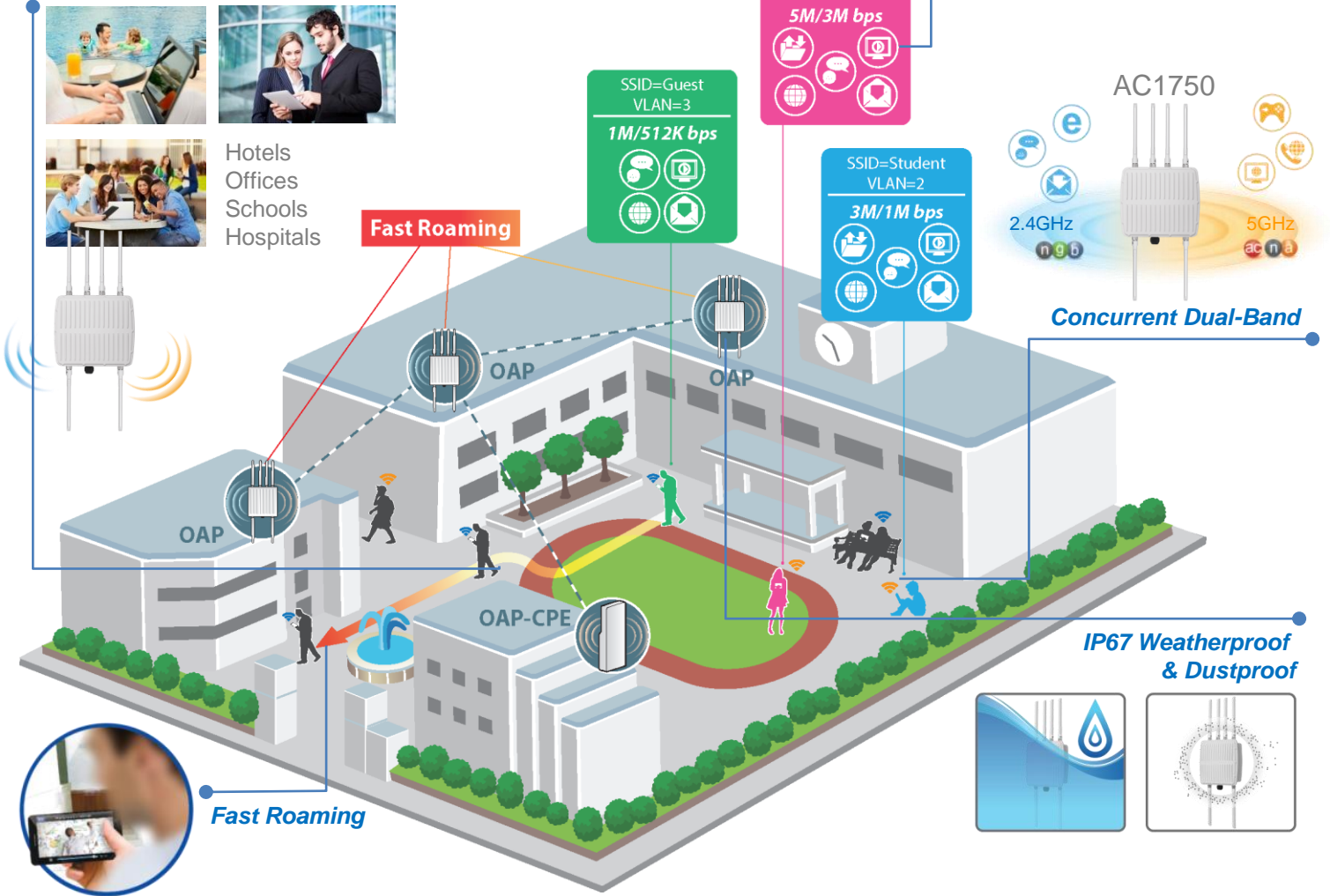
- 802.11AC Dual-Band High Speed:** IEEE 802.11ac concurrent dual-band with 1750Mbps wireless speed.
- Easy Installation:** Wall-mount or pole-mounted design with easy installation kit.
- Rugged Construction:** IP67 weatherproof & dustproof housing and die-cast aluminum, corrosion resistant enclosure, 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), easy and Intuitive web-based central management suite, 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.

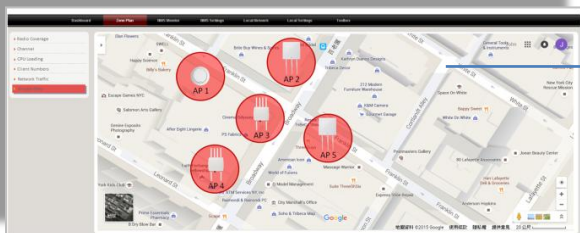
When performance and security are critical for your business, you need products that are engineered for your industry. The Edimax Pro series is designed to help your business and provide the connectivity that you rely on every day, with safety and effectiveness guaranteed, and the OAP1750 offers the highest level of wireless performance on the market today.

## Outdoor BYOD Solution & High Density Networking



## Central Network Management Suite

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 OAP1750 can be managed by Edimax Pro indoor access points or a standalone Edimax Pro APC500 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.



# 3 x 3 AC Dual-Band Outdoor PoE Access Point

## SPECIFICATIONS

Hardware	
LAN Interface	Giga x 1
PoE	802.3at
Antenna	Type: 3 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	<ul style="list-style-type: none"> <li>Radio I : 802.11b/g/n 2.412~2.484(GHz)</li> <li>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)</li> </ul> (The supported frequency band is restricted by local regulations.)	
Operation Channels	<ul style="list-style-type: none"> <li>2.4GHz : US/Canada 1-11; 2.412~2.462GHz Europe 1-13; 2.412~2.472GHz Japan 1-14; 2.412~2.484GHz</li> <li>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 3: 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140; 5.500~5.700(GHz)</li> </ul>	
Transmit Power	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 26.5dBm @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 @6Mbps ≤-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	<b>Standalone (AP mode)</b>	
	<b>Managed AP mode:</b> Be managed by AP Controller (APC500) or Edimax Pro Master AP	
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 Omni x 3 5GHz Omni x 3	
Optional Accessories	<b>GP-101IT</b> IEEE802.3at PoE Injector <b>ANT-2412D1/D2</b> Directional Panel Antenna 2.4GHz <b>ANT-5815D1/D2</b> Directional Panel Antenna 5GHz <b>LT-610</b> Outdoor Lightning Arrester	

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 © 2015 Edimax Technology Co. Ltd. All rights reserved.



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