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.
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) Operating Humidity: 90% or Less
- 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: -94.5dBm
- 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 Authentication: 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)
- Pass-Through: IP6v and VPN (PPTP, L2TP/IPSec)
- DSCP (802.1p): Y
- Multicast Rate up to: 54Mbps

**RF Specifications**

**Frequency Band**
- Radio 1: 802.11b/g/n: 2.412-2.484GHz
- Radio 1: 802.11a/n/ac: 5.15-5.28GHz, 5.26-5.32GHz, 5.5-5.7GHz, 5.75-5.825GHz (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:

**Transmit Power**
- Band 1: 5dBm (2.4GHz), 6dBm (5GHz)
- Band 2: 26dBm (2.4GHz), 27dBm (5GHz)
- Band 3: 27dBm (2.4GHz), 28dBm (5GHz)
- Band 4: 29dBm (2.4GHz), 30dBm (5GHz)
- Band 5: 32dBm (2.4GHz), 33dBm (5GHz)
- Band 6: 34dBm (2.4GHz), 35dBm (5GHz)
- Band 7: 36dBm (2.4GHz), 37dBm (5GHz)
- Band 8: 38dBm (2.4GHz), 39dBm (5GHz)
- Band 9: 40dBm (2.4GHz), 41dBm (5GHz)
- Band 10: 42dBm (2.4GHz), 43dBm (5GHz)
- Band 11: 44dBm (2.4GHz), 45dBm (5GHz)
- Band 12: 46dBm (2.4GHz), 47dBm (5GHz)
- Band 13: 48dBm (2.4GHz), 49dBm (5GHz)
- Band 14: 50dBm (2.4GHz), 51dBm (5GHz)
- Band 15: 53dBm (2.4GHz), 54dBm (5GHz)
- Band 16: 48dBm (2.4GHz), 49dBm (5GHz)
- Band 17: 51dBm (2.4GHz), 52dBm (5GHz)
- Band 18: 54dBm (2.4GHz), 55dBm (5GHz)
- Band 19: 57dBm (2.4GHz), 58dBm (5GHz)
- Band 20: 60dBm (2.4GHz), 61dBm (5GHz)
- Band 21: 63dBm (2.4GHz), 64dBm (5GHz)
- Band 22: 66dBm (2.4GHz), 67dBm (5GHz)
- Band 23: 69dBm (2.4GHz), 70dBm (5GHz)
- Band 24: 72dBm (2.4GHz), 73dBm (5GHz)
- Band 25: 76dBm (2.4GHz), 77dBm (5GHz)
- Band 26: 80dBm (2.4GHz), 81dBm (5GHz)
- Band 27: 84dBm (2.4GHz), 85dBm (5GHz)
- Band 28: 88dBm (2.4GHz), 89dBm (5GHz)
- Band 29: 92dBm (2.4GHz), 93dBm (5GHz)
- Band 30: 96dBm (2.4GHz), 97dBm (5GHz)
- Band 31: 99dBm (2.4GHz), 100dBm (5GHz)
- Band 32: 103dBm (2.4GHz), 104dBm (5GHz)
- Band 33: 107dBm (2.4GHz), 108dBm (5GHz)
- Band 34: 111dBm (2.4GHz), 112dBm (5GHz)
- Band 35: 115dBm (2.4GHz), 116dBm (5GHz)
- Band 36: 119dBm (2.4GHz), 120dBm (5GHz)
- Band 37: 123dBm (2.4GHz), 124dBm (5GHz)
- Band 38: 127dBm (2.4GHz), 128dBm (5GHz)

**Management**
- Deployment: Standalone (AP mode)
- Configuration: HTTP/HTTPS
- RADIUS Server: Built-In
- Auto-Channel: Y
- Private MIB: Y
- Antennas: 2.4GHz Omni x 3 / 5GHz Omni x 3

**Accessories**
- Mounting Brackets: Wall-Mount & Pole-Mount Bracket Kit
- Optional Accessories: GP-1011T

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.