

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

WAP1750

3 x 3 AC Dual-Band Wall-Mount 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 design with easy installation kit.
- 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 and IEEE 802.3af PSE out 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), easy and intuitive web-based central management suite, supports AP array architecture.
- Optional Security Cover:** Prevents theft and tampering.

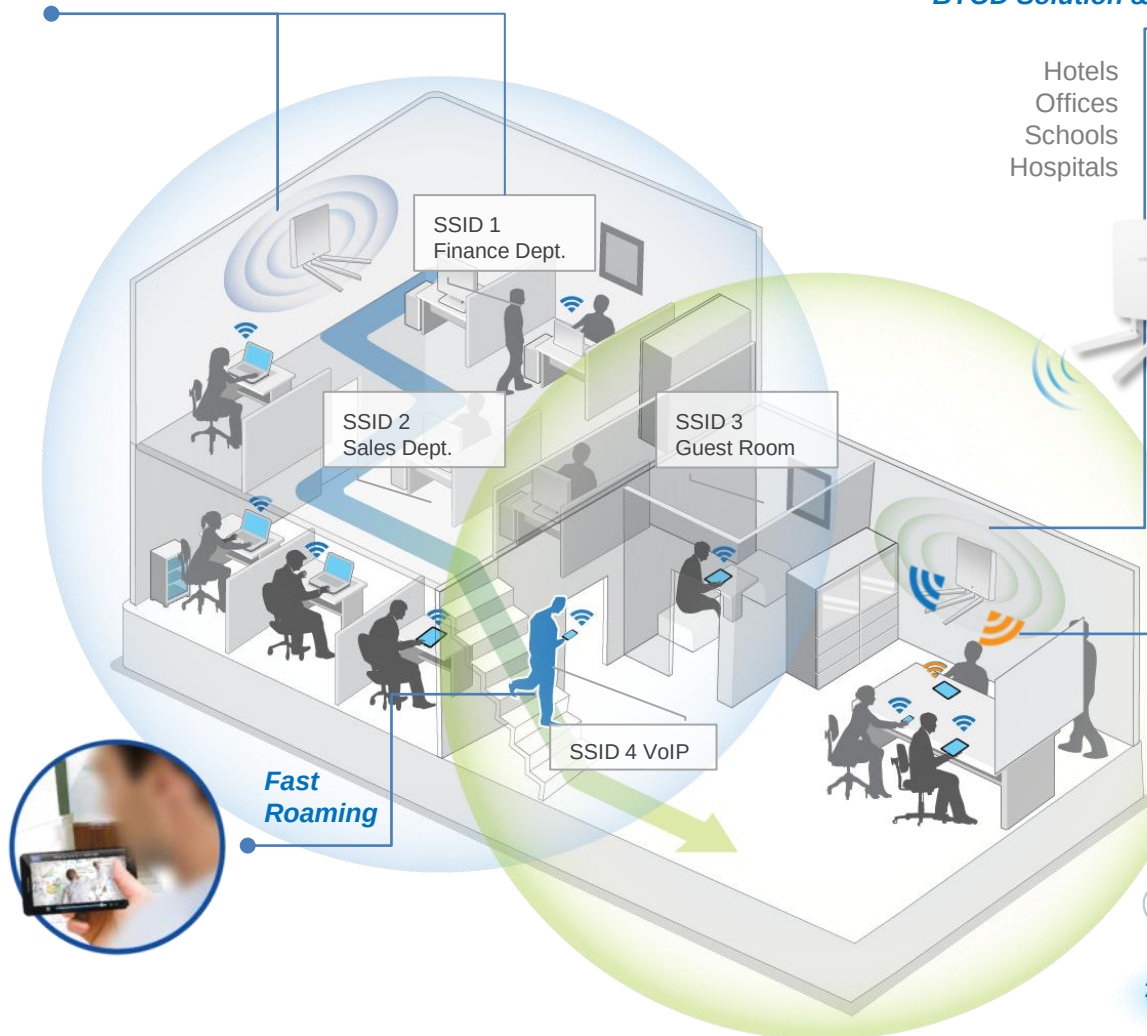
The WAP1750 is a premium wireless solution designed for SMBs which demand elite network performance. The product features the latest 3 x 3 IEEE 802.11ac

technology for concurrent dual-band wireless speeds up to 1750Mbps. A wall-mounted design and industrial-grade build quality combined with user-friendly operation and an 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. An optional security cover also prevents physical theft or tampering, along with a rogue AP detection function to safeguard your network from unauthorized access.

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 WAP1750 offers the highest level of wireless performance on the market today.

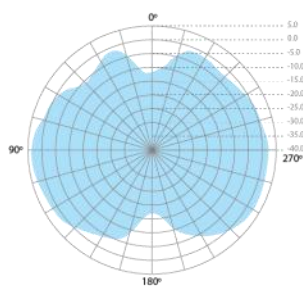
## Wide Coverage & Multiple SSIDs



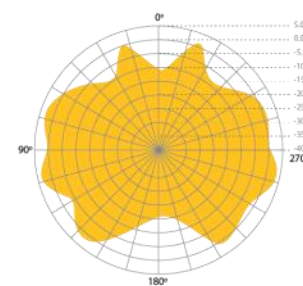
## BYOD Solution & High Density Networking



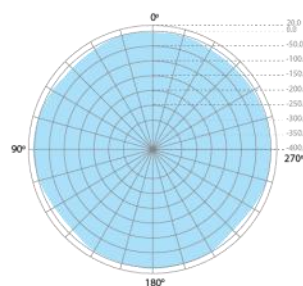
## Concurrent Dual-Band



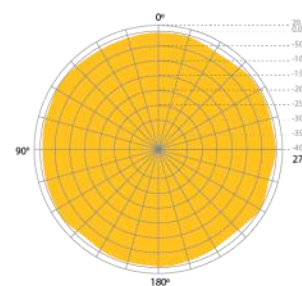
2D Radiation Pattern@ Vertical



2D Radiation Pattern@ Vertical



2D Radiation Pattern@ Horizontal



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.



# 3 x 3 AC Dual-Band Wall-Mount PoE Access Point

## SPECIFICATIONS

| Hardware                         |                                                                                                                                                                                                                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LAN Interface                    | Giga x 2                                                                                                                                                                                                                                                                                                                      |
| PoE                              | 802.3at (in) / 802.3af (out)                                                                                                                                                                                                                                                                                                  |
| Antenna                          | Type: 3 x External /<br>Gain: 2dBi (2.4GHz), 2dBi (5GHz)                                                                                                                                                                                                                                                                      |
| Power                            | DC: 12V / 4A<br>802.3at (PoE Injector Optional)                                                                                                                                                                                                                                                                               |
| Dimensions (L x W x H)           | 18.3 x 18.3 x 3.6 cm                                                                                                                                                                                                                                                                                                          |
| Weight                           | 560g                                                                                                                                                                                                                                                                                                                          |
| Power Consumption (Full Loading) | 15W (Exclude PoE-Out)                                                                                                                                                                                                                                                                                                         |
| Mounting                         | Wall / Desktop                                                                                                                                                                                                                                                                                                                |
| Console                          | RJ45                                                                                                                                                                                                                                                                                                                          |
| WPS/Reset                        | Y                                                                                                                                                                                                                                                                                                                             |
| LED Indicator                    | 1. Power LED<br>2. Diag LED                                                                                                                                                                                                                                                                                                   |
| Environmental Conditions         | Use PoE Switch:<br>Operating Temperature: 0°C (32°F) to 50°C (122°F)<br>Storage Temperature: -20°C (-4°F) to 60°C (140°F)<br>Use Power Adapter:<br>Operating Temperature: 0°C (32°F) to 40°C (104°F)<br>Storage Temperature: -20°C (-4°F) to 60°C (140°F)<br>Operating Humidity: 90% or Less<br>Storage Humidity: 90% or Less |
| Power Saving                     | 802.3az                                                                                                                                                                                                                                                                                                                       |
| Internal Buzzer                  | Y                                                                                                                                                                                                                                                                                                                             |
| 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 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                                                                                                                                                                                                                                                                                                      |
| 802.1q VLAN                      | Y (VID = 1-4095)                                                                                                                                                                                                                                                                                                              |
| Spanning Tree                    | RSTP                                                                                                                                                                                                                                                                                                                          |
| QoS                              | WMM (802.11e)<br>Max Associated Station No.                                                                                                                                                                                                                                                                                   |
| Pass-Through                     | IPv6 and VPN (PPTP, L2TP/IPsec)                                                                                                                                                                                                                                                                                               |
| DSCP (802.1p)                    | Y                                                                                                                                                                                                                                                                                                                             |
| Multicast Rate up to 54Mbps      | Y                                                                                                                                                                                                                                                                                                                             |

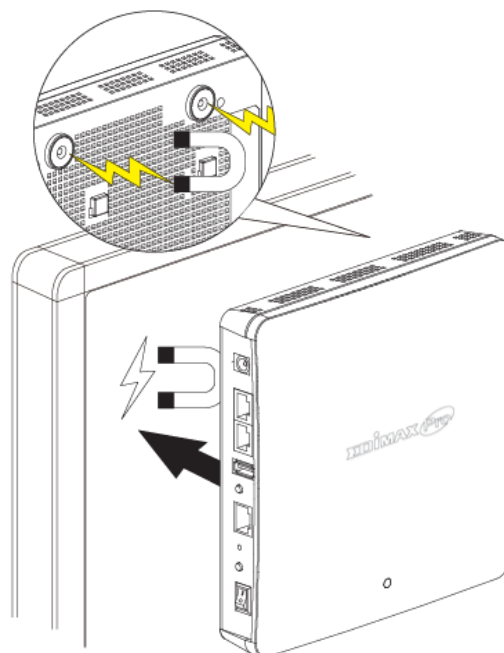
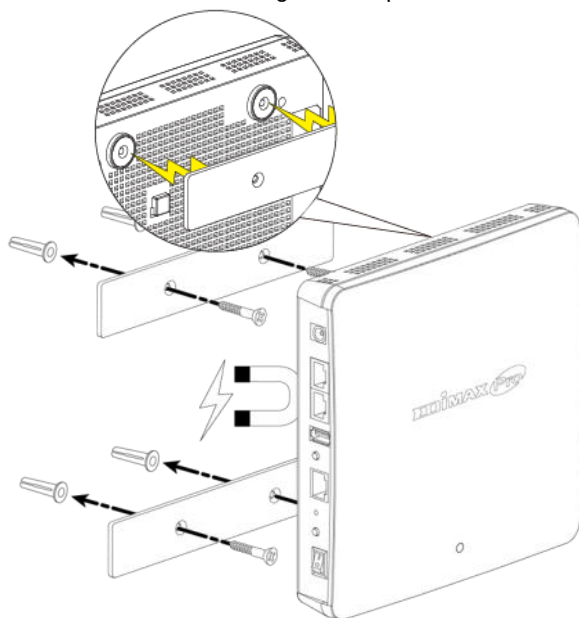
| RF Specifications    |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency Band       | •Radio I : 802.11b/g/n 2.412~2.484(GHz)<br>•Radio II : 802.11a/n/ac 5.18~5.24(GHz), 5.745~5.825(GHz)<br>(The supported frequency band is restricted by local regulations.)                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Operation Channels   | •2.4GHz : US/Canada 1-11 / Europe 1-13 / Japan 1-14<br>•5GHz : Country dependent for the following ranges: 36, 40, 44, 48, 149, 153, 157, 161, 165                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Transmit Power       | 802.11b<br>23dBm@1Mbps<br>23dBm@2Mbps<br>23dBm@5.5Mbps<br>23dBm@11Mbps<br>802.11g<br>23dBm@6Mbps<br>23dBm@9Mbps<br>23dBm@12Mbps<br>23dBm@18Mbps<br>23dBm@24Mbps<br>22dBm@36Mbps<br>20dBm@48Mbps<br>19dBm@54Mbps<br>802.11gn (2.4G)<br>27.5dBm@MCS0/8/16<br>26.5dBm@MCS1/9/17<br>26.5dBm@MCS2/10/18<br>26.5dBm@MCS3/11/19<br>25.5dBm@MCS4/12/20<br>24.5dBm@MCS5/13/21<br>23.5dBm@MCS6/14/22<br>22.5dBm@MCS7/15/23 | 802.11a<br>22dBm@6Mbps<br>22dBm@9Mbps<br>22dBm@12Mbps<br>22dBm@18Mbps<br>22dBm@24Mbps<br>21dBm@36Mbps<br>19dBm@48Mbps<br>18dBm@54Mbps<br>802.11an(5G)<br>27.5dBm@MCS0/8/16<br>26.5dBm@MCS1/9/17<br>26.5dBm@MCS2/10/18<br>25.5dBm@MCS3/11/19<br>25.5dBm@MCS4/12/20<br>24.5dBm@MCS5/13/21<br>23.5dBm@MCS6/14/22<br>22.5dBm@MCS7/15/23<br>802.11ac<br>27.5dBm@MCS0<br>26.5dBm@MCS1<br>26.5dBm@MCS2<br>25.5dBm@MCS3<br>25.5dBm@MCS4<br>24.5dBm@MCS5<br>23.5dBm@MCS6<br>22.5dBm@MCS7<br>20.5dBm@MCS8<br>19.5dBm@MCS9 |
| Receiver Sensitivity | 802.11b<br>≤-93dBm@1Mbps<br>≤-90dBm@11Mbps<br>802.11g<br>≤-90dBm@6Mbps<br>≤-74dBm@54Mbps<br>802.11gn (2.4G)<br>≤-94.5dBm@MCS0<br>≤-76.5dBm@MCS7<br>≤-90dBm@MCS8<br>≤-72dBm@MCS15<br>≤-90dBm@MCS16<br>≤-72dBm@MCS23                                                                                                                                                                                               | 802.11a<br>≤-90dBm@6Mbps<br>≤-72dBm@54Mbps<br>802.11an(5G)<br>≤-94.5dBm@MCS0<br>≤-70.5dBm@MCS7<br>≤-90dBm@MCS8<br>≤-66dBm@MCS15<br>≤-90dBm@MCS16<br>≤-66dBm@MCS23<br>802.11ac<br>≤-90.5dBm@MCS0<br>≤-60.5dBm@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                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Accessory            |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Mounting Bracket     | Wall-Mount Bracket Kit                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Power Adapter        | 12V / 4A Power Adapter                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Optional Accessories | GP-101IT IEEE802.3at PoE Injector<br>SC1000 Security Cover                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |



# 3 x 3 AC Dual-Band Wall-Mount PoE Access Point

## Easy Installation Kit

Wall mount with bracket and magnetic template.



## Optional Accessory: Security Cover (SC1000)

| Security Cover for Edimax Pro WAP Series Access Point |                                                                                      |
|-------------------------------------------------------|--------------------------------------------------------------------------------------|
| Dimensions (L x W x H)                                | 252.25 x 199 x 28.59 mm                                                              |
| Weight (g)                                            | 445g                                                                                 |
| Environment Condition                                 | Operating Temperature: 0°C (32°F) to 50°C (122°F)<br>Operating Humidity: 90% or Less |
| Package Content                                       | Security Cover / Mounting Bracket / Screws / Ejector Key / Key / QIG                 |

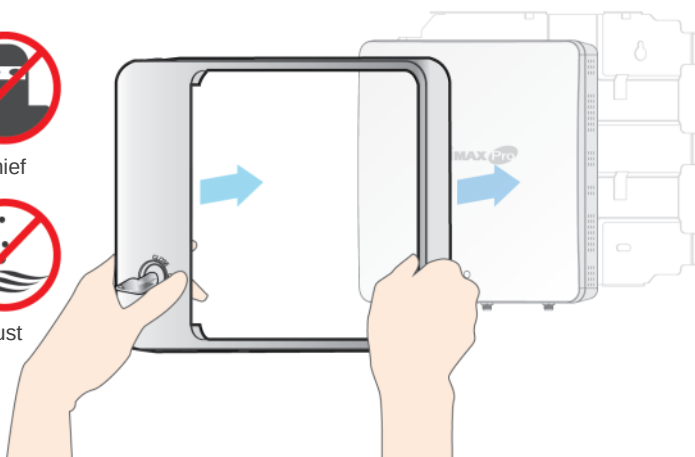
Network security is a critical concern for any modern business and begins with the hardware itself. Edimax Pro access points can be tampered with a robust security cover and lock, preventing the access point from being tampered with or removed and restricting access to authorized persons only.



Thief



Dust



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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