EDIMAX Pro

AC1750/AC1200
Long Range Dual-Band Wall Mount PoE Access Point

WAP1750
WAP1200

The Edimax Pro wall mount access points (WAP1750 and WAP1200) are a highly-reliable wall-mount wireless access points designed to extend wireless network coverage for enterprise users.

With the latest wireless 802.11ac technology for improvements in the speed, reliability and quality of wireless communications, the Edimax Pro wall mount access point provides both simultaneous 2.4GHz (802.11n, 450Mbps (WAP1750) or 300Mbps (WAP1200) speeds) and 5GHz (802.11ac, 1300Mbps (WAP1750) or 867Mbps (WAP1200) speeds) wireless coverage for maximum flexibility.

The detachable antennas with 27.5dBm (WAP1750) or 26dBm (WAP1200) maximum transmission power provide larger wireless coverage for your environment. The solid capacitors used in the Edimax Pro access points guarantee reliability for long term usage. Power Saving function not only saves the power consumption of the access point but also saves the power of battery for connected mobile devices.

Additionally, the Edimax Pro wall mount access point features a gigabit LAN port with 802.3at Power over Ethernet (PD) (LAN 1) and a gigabit 802.3af Power over Ethernet (PSE) port (LAN 2) which can power other network devices such as access points or IP cameras.

The Edimax Pro wall mount access point is ideal for wall-mounted applications such as office buildings, hotels, resorts or campuses and can also be used on a standard desktop.

AC1750 Concurrent Dual-Band
Provides both simultaneous 2.4GHz and 5GHz wireless coverage for maximum flexibility.
AC1750 (WAP1750): 802.11n, 450Mbps speeds & 802.11ac, 1300Mbps speeds
AC1200 (WAP1200): 802.11n, 300Mbps speeds & 802.11ac, 867Mbps speeds

High Density
Supports a hundred users simultaneously for high-density wireless networking .

High Power, Long Range
Features 27.5dBm (WAP1750) or 26dBm (WAP1200) output power for both 2.4GHz and 5GHz, providing long range Wi-Fi coverage. Together with -93dBm (WAP1750) or -95dBm (WAP1200) receiver sensitivity.

Power over Ethernet
Supports IEEE 802.3at/af PD and PSE which can power other network devices.

Multiple SSID
Supports total 32 SSIDs, 2.4GHz x 16 and 5GHz x 16.

Internal Radius Server
Built-in radius server which can manage up to 256 user accounts.

ADVANCED FEATURES

•**Fast Boot-Up Time**:

Client Connected to AP	<15 seconds	HTTP Ready	<50 seconds
SSID Ready	<30 seconds	SNMP Ready	<30 seconds

•**VLAN Tagging**:
VLAN tagging per SSID and Ethernet port which also works in WDS interfaces.

•**Smooth Site Survey**:
Minimal ping and throughput loss during site survey procedure, producing stability for wireless connections in the local network environment.

•**WMM QoS Mapping**:
Configurable Wi-Fi Multimedia (WMM) parameters for better network traffic management.

•**Load Balance**:
Max. number of users can be adjusted for each SSID.

•**Power Saving:***
Schedule access point's wireless radio & LEDs on/off to save power usage by your access point and battery power of connected mobile devices.

•**High Speed Hand-Over Between Access Points**: *
With optimized PMK-Caching, the hand-over speed of mobile clients between access points can be highly improved.

•**Advanced Qos Management & Traffic Shaping**: *
Traffic priority can be arrangement and managed by SSID, MAC address, port and IP address.

*Coming Soon

AC1750 Long Range Dual-Band Wall Mount PoE Access Point

HARDWARE SPECIFICATIONS

MCU/RF	Qualcomm Atheros QCA9558(2.4GHz) + QCA9880(5GHz)
Memory	128MB
Flash	16MB
Physical Interface	- LAN : 2 x 10/100/1000 Gigabit ports - WPS / Reset Button - USB interface - Eject Button (USB eject) - DC Power Jack - Power On / Off Switch
Power Requirement	DC : 12V / 4A Power over Ethernet: IEEE 802.3at(input)/ IEEE802.3af(output)

RF SPECIFICATIONS

Wireless Standard	IEEE 802.11 a/b/g/n/ac
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 2.4GHz : Europe 1-13 2.4GHz : Japan 1-14 5GHz : Country dependent for the following ranges: 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 149, 153, 157, 161, 165
Transmit Power (The max. power may be different depending on local regulations)	**802.11b** 27.5dBm@1Mbps 27.5dBm@2Mbps 27.5dBm@5.5Mbps 27.5dBm@11Mbps **802.11g** 27.5dBm@6Mbps 27.5dBm@9Mbps 27.5dBm@12Mbps 27.5dBm@18Mbps 27.5dBm@24Mbps 26.5dBm@36Mbps 24.5dBm@48Mbps 23.5dBm@54Mbps **802.11n(2.4G)** 27.5dBm@MCS0/MCS8 26.5dBm@MCS1/MCS9 26.5dBm@MCS2/MCS10 26.5dBm@MCS3/MCS11 25.5dBm@MCS4/MCS12 24.5dBm@MCS5/MCS13 23.5dBm@MCS6/MCS14 22.5dBm@MCS7/MCS15	**802.11a** 26.5dBm@6Mbps 26.5dBm@9Mbps 26.5dBm@12Mbps 26.5dBm@18Mbps 26.5dBm@24Mbps 25.5dBm@36Mbps 23.5dBm@48Mbps 22.5dBm@54Mbps **802.11a/n(5G)** 27.5dBm@MCS0/MCS8 26.5dBm@MCS1/MCS9 26.5dBm@MCS2/MCS10 25.5dBm@MCS3/MCS11 25.5dBm@MCS4/MCS12 24.5dBm@MCS5/MCS13 23.5dBm@MCS6/MCS14 22.5dBm@MCS7/MCS15 **802.11ac** 27.5dBm@MCS0/MCS10 26.5dBm@MCS1/MCS11 26.5dBm@MCS2/MCS12 25.5dBm@MCS3/MCS13 25.5dBm@MCS4/MCS14 24.5dBm@MCS5/MCS15 23.5dBm@MCS6/MCS16 22.5dBm@MCS7/MCS17 20.5dBm@MCS8/MCS18 19.5dBm@MCS9/MCS19
Receiver Sensitivity (Typical)	**802.11b** ≤-93dBm@1Mbps ≤-90dBm@11Mbps **802.11g** ≤-90dBm@6Mbps ≤-74dBm@54Mbps **802.11gn(2.4G)** ≤-90dBm@MCS0 ≤-72dBm@MCS7 ≤-90dBm@MCS8 ≤-72dBm@MCS15	**802.11a** ≤-90dBm@6Mbps ≤-72dBm@54Mbps **802.11n(5G)** ≤-90dBm@MCS0 ≤-66dBm@MCS7 ≤-90dBm@MCS8 ≤-66dBm@MCS15 **802.11ac** ≤ -84dBm@MCS0 ≤ -56dBm@MCS9

SOFTWARE SPECIFICATIONS

Operation Mode	Access Point / WDS Bridge / WDS Access Point
Multiple BSSID	Total 32 (16 for 2.4G, 16 for 5G)
VLANs	SSID and Ethernet port based tag/untag (VID＝1～4094）
Spanning Tree*	RSTP (Rapid Spanning Tree)
Wireless	Wireless Mode : 11 a/11b/11g/11n/11ac Channel selection (Setting varies by country) Channel bandwidth (Auto, 20MHz, 40, 80MHz) Transmission Rate : 2.4GHz : 11b only, 11g only, 11b/g, 11b/g/n mix 5GHz : 11a only, 11a/n, 11a/n/ac mix
Pass-through	IPv6 and VPN (PPTP, L2TP, IPSEC)
QoS	WMM, Max Associated Station Number
Security	WPS - Wi-Fi Protected Setup WEP Encryption – 64/128 bit WPA Personal (WPA-PSK using TKIP or AES) WPA Enterprise (WPA-EAP using TKIP) 802.1x Authenticator : MD5/TLS/TTLS/PEAP EAP-FAST, EAP-SIM, MAC Authentication, … SSID Broadcast enable / disable 256 WLAN MAC Address Filter WLAN L2 isolation (AP mode) Wireless STA(Client) connected list

MANAGEMENT

Tx Power Control	Adjust transmit power by %
Configuration	Web-based configuration HTTP/HTTPS/SSH/CLI
Firmware	Upgrade via WEB, CLI, USB and FTP.
SNMP	v1, v2c, v3. MIB II, IEEE802.11MIB, Bridge MIB, Interface MIB, IEEE802.1AE LLDP-MIB, Private MIB
Auto-Channel	Automatically selecting lease congested channel
Backup & Restore	Save & restore settings through web interface and USB memory stick.
CLI	Support Command Line Interface
Local Radius	Radius Server Built-in (256 Accounts Support)

ENVIRONMENT & PHYSICAL

Temperature Range	•Operation : 0 to 50℃ (32℉ to 122℉) (Powered by PoE) 0 to 40℃ (32℉ to 104℉) (Powered by Power Adapter) •Storage : -20 to 60℃ (-4℉ to 140℉)
Humidity	90% or less – Operating, 90% or less - Storage
Certifications	FCC, CE
Dimensions	183mm (L) x 183mm (W) x 30mm (H)
Weight	520g
Package Content	1 x WAP1750 Access Point 3 x 2dBi SMA Antenna 1 x Power Adapter (12V / 4A) 2 x Magnetic Wall Mount & Screws 1 x CD 1 x Quick Installation Guide 1 x Ethernet Cable 1 x Magnetic Wall Mount Screw Template

*Coming Soon

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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AC1200 Long Range Dual-Band Wall Mount PoE Access Point

HARDWARE SPECIFICATIONS

MCU/RF	Qualcomm Atheros QCA9558(2.4GHz) + QCA9880(5GHz)
Memory	128MB
Flash	16MB
Physical Interface	- LAN : 2 x 10/100/1000 Gigabit ports - Reset Button - DC Power Jack
Power Requirement	DC : 12V / 2.5A(IEEE 802.3af (output) not supported) Power over Ethernet: IEEE 802.3at(input)/ IEEE802.3af(output)

RF SPECIFICATIONS

Wireless Standard	IEEE 802.11 a/b/g/n/ac
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.)
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Transmit Power (The max. power may be different depending on local regulations)	**802.11b** 26dBm@1Mbps 26dBm@2Mbps 26dBm@5.5Mbps 26dBm@11Mbps **802.11g** 26dBm@6Mbps 26dBm@9Mbps 26dBm@12Mbps 26dBm@18Mbps 26dBm@24Mbps 25dBm@36Mbps 23dBm@48Mbps 22dBm@54Mbps **802.11n(2.4G)** 26dBm@MCS0/MCS8 25dBm@MCS1/MCS9 25dBm@MCS2/MCS10 25dBm@MCS3/MCS11 24dBm@MCS4/MCS12 23dBm@MCS5/MCS13 22dBm@MCS6/MCS14 21dBm@MCS7/MCS15	**802.11a** 25dBm@6Mbps 25dBm@9Mbps 25dBm@12Mbps 25dBm@18Mbps 25dBm@24Mbps 24dBm@36Mbps 22dBm@48Mbps 21dBm@54Mbps **802.11a/n(5G)** 26dBm@MCS0/MCS8 25dBm@MCS1/MCS9 25dBm@MCS2/MCS10 24dBm@MCS3/MCS11 24dBm@MCS4/MCS12 23dBm@MCS5/MCS13 22dBm@MCS6/MCS14 21dBm@MCS7/MCS15 **802.11ac** 26dBm@MCS0/MCS10 25dBm@MCS1/MCS11 25dBm@MCS2/MCS12 24dBm@MCS3/MCS13 24dBm@MCS4/MCS14 23dBm@MCS5/MCS15 22dBm@MCS6/MCS16 21dBm@MCS7/MCS17 19dBm@MCS8/MCS18 18dBm@MCS9/MCS19
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QoS	WMM, Max Associated Station Number
Security	WPS - Wi-Fi Protected Setup WEP Encryption – 64/128 bit WPA Personal (WPA-PSK using TKIP or AES) WPA Enterprise (WPA-EAP using TKIP) 802.1x Authenticator : MD5/TLS/TTLS/PEAP EAP-FAST, EAP-SIM, MAC Authentication, … SSID Broadcast enable / disable 256 WLAN MAC Address Filter WLAN L2 isolation (AP mode) Wireless STA(Client) connected list

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Auto-Channel	Automatically selecting lease congested channel
Backup & Restore	Save & restore settings through web interface
CLI	Support Command Line Interface
Local Radius	Radius Server Built-in (256 Accounts Support)

ENVIRONMENT & PHYSICAL

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Humidity	90% or less – Operating, 90% or less - Storage
Certifications	FCC, CE
Dimensions	183mm (L) x 183mm (W) x 30mm (H)
Weight	500g
Package Content	1 x WAP1200 Access Point 2 x 2dBi SMA Antenna 1 x Power Adapter (12V / 2.5A) 2 x Magnetic Wall Mount & Screws 1 x CD 1 x Quick Installation Guide 1 x Ethernet Cable 1 x Magnetic Wall Mount Screw Template

*Coming Soon

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Edimax Pro Family

	New	New	New	Coming Soon
	WAP1750	WAP1200	CAP1200	CAP300
	AC1750 Long Range Dual-Band Wall Mount PoE Access Point	AC1200 Long Range Dual-Band Wall Mount PoE Access Point	AC1200 Long Range Dual-Band Ceiling Mount PoE Access Point	N300 Long Range Ceiling Mount PoE Access Point
Wi-Fi				
Max. Data Rate (2.4GHz + 5GHz)	450Mbps + 1300Mbps	300Mbps + 867Mbps	300Mbps + 867Mbps	300Mbps
5GHz	v	v	v	-
2.4GHz	v	v	v	v
Hardware				
IEEE Standard	11ac/a/b/g/n	11ac/a/b/g/n	11ac/a/b/g/n	11b/g/n
LAN Port	2 x Gigabit	2 x Gigabit	1 x Gigabit	1 x Gigabit
USB Port	USB 2.0 for Syslog Data Record, Configuration Backup & Restore And Firmware Upgrade	-	-	-
Console Port	Console Port x 1	-	-	-
WPS/Reset Button	WPS/Reset	Reset	Reset	Reset
Power On/Off Switch	v	-	-	-
Flash	16MB	16MB	8MB	4MB
Memory	128MB	128MB	64MB	64MB
Antenna	Detachable External 2dBi x 3	Detachable External 2dBi x 2	Internal x 4	Internal x 2
Max. Output Power	Up to 27.5dBm	Up to 26dBm	Up to 26dBm	Up to 26dBm
Power	12V/4A	12V/2.5A	12V/1A	12V/1A
PoE Standard	802.3at (LAN 1) + PSE Out 802.3 af (LAN 2)	802.3at (LAN 1) + PSE Out 802.3 af (LAN 2)	802.3af	802.3af
Mounting	Wall Mount/Desktop	Wall Mount/Desktop	Ceiling Mount	Ceiling Mount
Software				
Multiple SSID	16 (2.4GHz) + 16 (5GHz)	16 (2.4GHz) + 16 (5GHz)	16 (2.4GHz) + 16 (5GHz)	16 (2.4GHz)
VLANs	SSID and Ethernet port based tag/untag (VID = 1 - 4094)	SSID and Ethernet port based tag/untag (VID = 1 - 4094)	SSID and Ethernet port based tag/untag (VID = 1 - 4094)	SSID and Ethernet port based tag/untag (VID =1 - 4094)
Spanning Tree	RSTP (Rapid Spanning Tree)	RSTP (Rapid Spanning Tree)	RSTP (Rapid Spanning Tree)	RSTP (Rapid Spanning Tree)
Pass-Through	IPv6 and VPN (PPTP, L2TP, IPSEC)	IPv6 and VPN (PPTP, L2TP, IPSEC)	IPv6 and VPN (PPTP, L2TP, IPSEC)	IPv6 and VPN (PPTP, L2TP, IPSEC)
QoS	WMM, Max Associated Station Number, Load Balancing by SSID (Designated number of users)	WMM, Max Associated Station Number, Load Balancing by SSID (Designated number of users)	WMM, Max Associated Station Number, Load Balancing by SSID (Designated number of users)	WMM, Max Associated Station Number, Load Balancing by SSID (Designated number of users)
WPS	Hardware/Software	Software	Software	Software
Management				
SNMP	v1, v2, v3 , MIB II, IEEE 802.11 MIB, Bridge MIB, Interface MIB, IEEE 802.1AE LLDP-MIB, Private MIB	v1, v2, v3 , MIB II, IEEE 802.11 MIB, Bridge MIB, Interface MIB, IEEE 802.1AE LLDP-MIB, Private MIB	v1, v2, v3 , MIB II, IEEE 802.11 MIB, Bridge MIB, Interface MIB, IEEE 802.1AE LLDP-MIB, Private MIB	-
RADIUS Server	RADIUS server built-in	RADIUS server built-in	RADIUS server built-in	-
Tx Power Control	Adjust transmit power by %	Adjust transmit power by %	Adjust transmit power by %	Adjust transmit power by %
Configuration	Web-based configuration HTTP/HTTPS/Telnet/SSH	Web-based configuration HTTP/HTTPS/Telnet/SSH	Web-based configuration HTTP/HTTPS/Telnet/SSH	Web-based configuration HTTP/Telnet
Auto-Channel	Automatically selects least congested channel	Automatically selects least congested channel	Automatically selects least congested channel	Automatically selects least congested channel
CLI	v	v	v	v
Advanced Features	Power Saving/High Speed Hand-Over/Smooth Site Survey/WMM QoS Mapping/Internal Buzzer (Find me)			

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