

AC | HIGH POWERED 1750 | WIRELESS ACCESS POINT

PRODUCT OVERVIEW

Comtrend's WAP-EN1750W Wireless Access Point combines 560mW high power and -93dBm high sensitivity to deliver flawless wireless coverage to the entire home/business.

- Easily setup Guest Networks to isolate the local network from the wireless clients via an IP filter
- Dedicate one access point as the controller and manage up to five other access points
- Manage the handoff of client devices from one access point to another with very little interruption
- Enjoy quick setup with PoE convenience



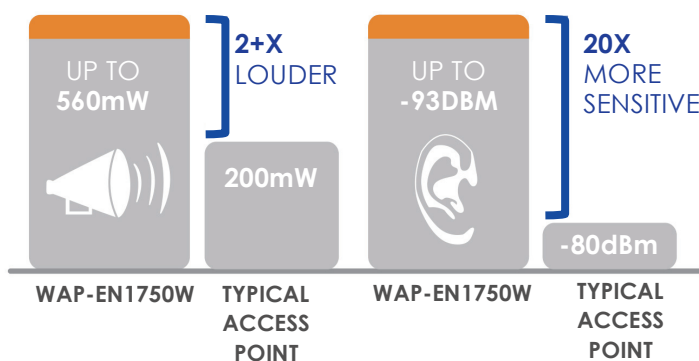
KEY BENEFITS

Higher Power, Higher Sensitivity

Together equals better coverage.

Comprehensive Network Features

Supports guest network feature, cluster configuration and smart handover.

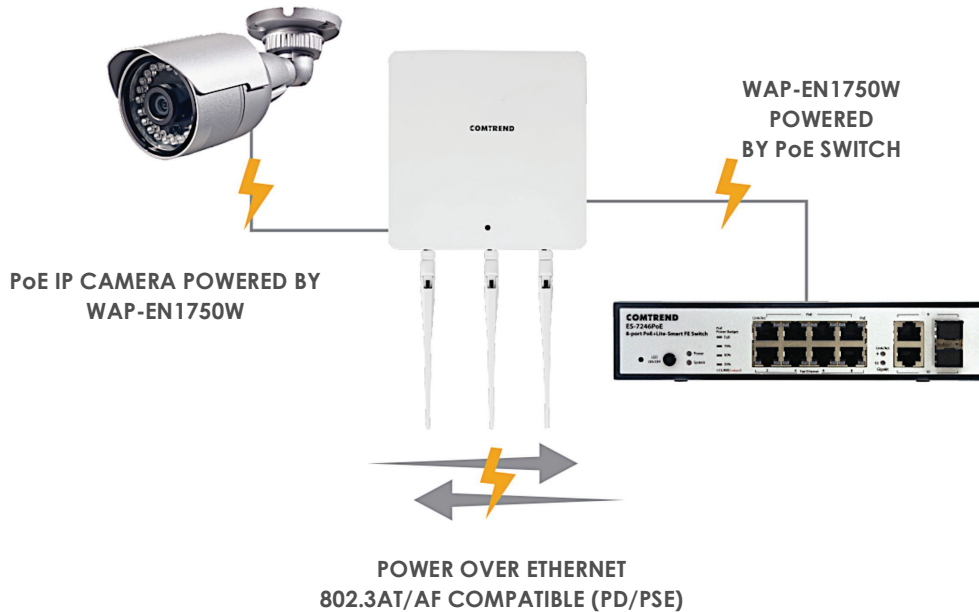


*0.00000001mW/0.000000005mW=20mW

WAP-EN1750W

Flexible Deployment

Supports PoE+ for deployment in areas where power is not easily available



SPECIFICATIONS

Hardware	Software
• MCU/RF: Qualcomm Atheros QCA9558(2.4GHz) + QCA9880(5GHz) • Memory 128MB • Flash 16MB • Physical Interface: -LAN : 2 x 10/100/1000 Gigabit Ethernet with PoE support 802.3at PD(LAN 1) +802.3af PSE Out (LAN 2) -WPS / Reset Button -USB interface -Eject Button (USB eject) • -DC Power Jack -On / Off Switch • Power Requirement: Power over Ethernet, IEEE 802.3at DC: 12V/ 4A	• Multiple BSSID : Total 32 (16 for 2.4G, 16 for 5G) • VLANs : SSID and Ethernet port based tag/untag (VID=1~4096) • Spanning Tree : RSTP (Rapid Spanning Tree) • Wireless Mode : 11 a/11b/11g/11n/11ac • Channel bandwidth (Auto, 20MHz, 40, 80MHz) Transmission Rate : • 2.4GHz : 11n only, 11b/g/n mix, 11b only, 11b/g, 11g only • 5GHz : 11n only, 11a/n/ac mix, 11a only, 11ac only • Pass-through: IPv6 and VPN (PPTP, L2TP, IPSEC) • QoS : WMM, Max Associated Station Number. "band bonding" Load balance • WPS : Software • Security : 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 SSID Broadcast enable / disable • 256 WLAN MAC Address Filter • WLAN L2 isolation (AP mode) • Wireless STA(Client) connected list
Radio Frequency (RF)	Management
• 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) • Operation Channels: ◦ 2.4GHz : US/Canada 1-11 ◦ 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	• TR-069 Remote Management* • Tx Power Control : Adjust transmit power by percentage • Configuration : Web-based configuration HTTP/HTTPS/Telnet/SSH • Firmware : Firmware upgrade via web browser or software utility / Dual Boot Image • SNMP : v1, v2c, v3. MIB II, IEEE802.11MIB, BridgeMIB, • Interface MIB, IEEE802.1AE LLDP-MIB, Private MIB • Auto-Channel : Automatically selecting least congested channel • Backup & Restore : Save & restore settings through Web interface • CLI : Support Command Line Interface • Local Radius : Radius Server Built-in (256 Accounts Supported)
Transmit Power (Tolerance +-2dB)	Environmental & Physical
• 802.11b • 27.5dBm@11Mbps • 802.11g • 27.5dBm@24Mbps • 23.5dBm@54Mbps • 802.11n(2.4G) • 27.5dBm@MCS0/MCS8 • 22.5dBm@MCS7/MCS15 • 802.11a/n(5G) • 27.5dBm@MCS0/MCS8 • 22.5dBm@MCS7/MCS15	• Temperature Range : Operation: 32°F to 122°F (0 to 50°C) • Storage: -4 to 140°F (-20 to 60°C) • Certifications : FCC, CE, EN 60601-1-2 • Dimensions : 7.20 (L) x 7.20 (W) x 1.20 (H) inches ; Weight : 16.9 ounces
Receiver Sensitivity	*A firmware upgrade may be required for this feature.
• 802.11b • ≤-93dBm@1Mbps • ≤-90dBm@11Mbps • 802.11g • ≤-90dBm@6Mbps • 802.11gn(2.4G) • ≤-90dBm@MCS0 • 802.11n(5G) • ≤-90dBm@MCS0	

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Comtrend | www.comtrend.com | 14 Chrysler, Irvine CA 92618 | (877) 266-8736