

## WAP-EN1750W

# 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



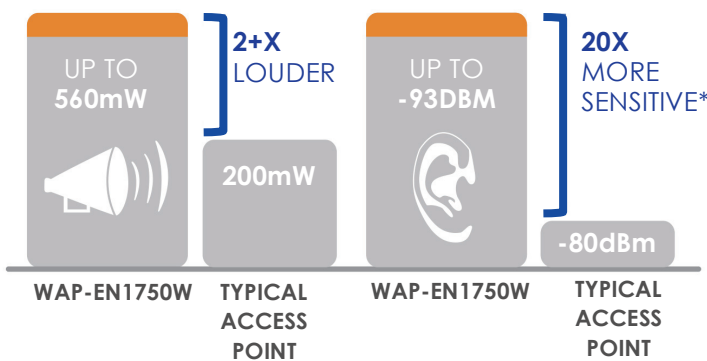
## KEY BENEFITS

### Higher Power, Higher Sensitivity

Together equals better coverage.

### Comprehensive Network Features

Supports guest network feature, cluster configuration and smart handover.



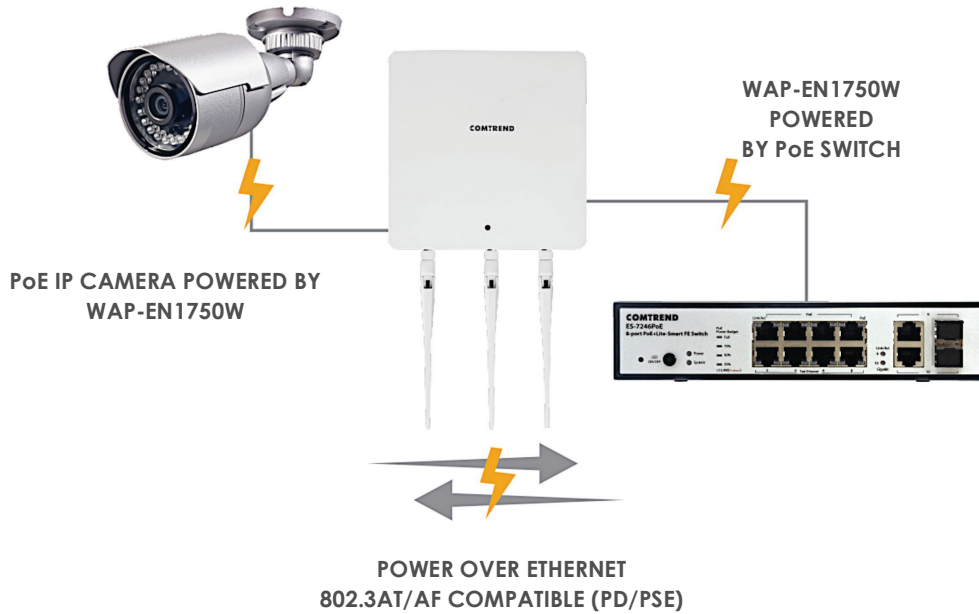
\*0.00000001 mW/0.000000005mW=20mW



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## Flexible Deployment

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



## SPECIFICATIONS

Hardware	
<ul style="list-style-type: none"> <li>• MCU/RF: Qualcomm Atheros QCA9558(2.4GHz) + QCA9880(5GHz)</li> <li>• Memory 128MB</li> <li>• Flash 16MB</li> <li>• 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)</li> <li>• -DC Power Jack -On / Off Switch</li> <li>• Power Requirement: Power over Ethernet, IEEE 802.3at DC: 12V/ 4A</li> </ul>	
Radio Frequency (RF)	
<ul style="list-style-type: none"> <li>• Wireless Standard: IEEE 802.11 a/b/g/n/ac</li> <li>• Frequency Band : 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> <li>• Operation Channels: <ul style="list-style-type: none"> <li>◦ 2.4GHz : US/Canada 1-11</li> <li>◦ 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</li> </ul> </li> </ul>	
Transmit Power (Tolerance +-2dB)	
<ul style="list-style-type: none"> <li>• 802.11b</li> <li>• 27.5dBm@11Mbps</li> <li>• 802.11g</li> <li>• 27.5dBm@24Mbps</li> <li>• 23.5dBm@54Mbps</li> <li>• 802.11n(2.4G)</li> <li>• 27.5dBm@MCS0/MCS8</li> </ul>	<ul style="list-style-type: none"> <li>• 22.5dBm@MCS7/MCS15</li> <li>• 802.11a/n(5G)</li> <li>• 27.5dBm@MCS0/MCS8</li> <li>• 22.5dBm@MCS7/MCS15</li> </ul>
Receiver Sensitivity	
<ul style="list-style-type: none"> <li>• 802.11b</li> <li>• ≤-93dBm@1Mbps</li> <li>• ≤-90dBm@11Mbps</li> <li>• 802.11g</li> <li>• ≤-90dBm@6Mbps</li> <li>• 802.11gn(2.4G)</li> </ul>	<ul style="list-style-type: none"> <li>• ≤-90dBm@MCS0</li> <li>• 802.11n(5G)</li> <li>• ≤-90dBm@MCS0</li> </ul>

Software
<ul style="list-style-type: none"> <li>• Multiple BSSID : Total 32 (16 for 2.4G, 16 for 5G)</li> <li>• VLANs : SSID and Ethernet port based tag/untag (VID=1~4096)</li> <li>• Spanning Tree : RSTP (Rapid Spanning Tree)</li> <li>• Wireless Mode : 11 a/11b/11g/11n/11ac</li> <li>• Channel bandwidth (Auto, 20MHz, 40, 80MHz) Transmission Rate :</li> <li>• 2.4GHz : 11n only, 11b/g/n mix, 11b only, 11b/g, 11g only</li> <li>• 5GHz : 11n only, 11a/n/ac mix, 11a only, 11ac only</li> <li>• Pass-through: IPv6 and VPN (PPTP, L2TP, IPSEC)</li> <li>• QoS : WMM, Max Associated Station Number. "band bonding" Load balance</li> <li>• WPS : Software</li> <li>• Security : WEP Encryption – 64/128 bit</li> <li>• WPA Personal (WPA-PSK using TKIP or AES) WPA Enterprise (WPA-EAP using TKIP) 802.1x</li> <li>• Authenticator : MD5/TLS/TTLS/PEAP SSID Broadcast enable / disable</li> <li>• 256 WLAN MAC Address Filter</li> <li>• WLAN L2 isolation (AP mode)</li> <li>• Wireless STA(Client) connected list</li> </ul>
Management
<ul style="list-style-type: none"> <li>• TR-069 Remote Management*</li> <li>• Tx Power Control : Adjust transmit power by percentage</li> <li>• Configuration : Web-based configuration HTTP/HTTPS/Telnet/SSH</li> <li>• Firmware : Firmware upgrade via web browser or software utility / Dual Boot Image</li> <li>• SNMP : v1, v2c, v3. MIB II, IEEE802.11MIB, BridgeMIB,</li> <li>• Interface MIB, IEEE802.1AE LLDP-MIB, Private MIB</li> <li>• Auto-Channel : Automatically selecting lease congested channel</li> <li>• Backup &amp; Restore : Save &amp; restore settings through Web interface</li> <li>• CLI : Support Command Line Interface</li> <li>• Local Radius : Radius Server Built-in (256 Accounts Supported)</li> </ul>
Environmental & Physical
<ul style="list-style-type: none"> <li>• Temperature Range : Operation: 32°F to 122°F (0 to 50°C)</li> <li>• Storage: -4 to 140°F (-20 to 60°C)</li> <li>• Certifications : FCC, CE, EN 60601-1-2</li> <li>• Dimensions : 7.20 (L) x 7.20 (W) x 1.20 (H) inches ; Weight : 16.9 ounces</li> </ul> <p>*A firmware upgrade may be required for this feature.</p>

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