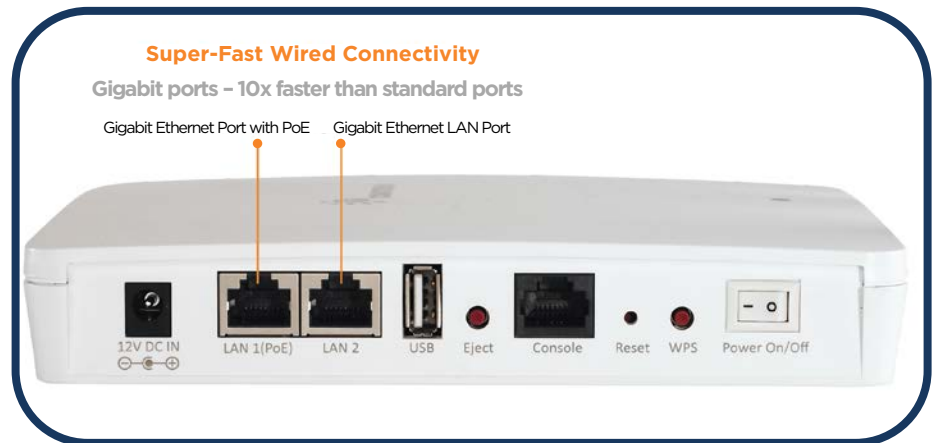


# AC | ProSUMER 1750 | ACCESS POINT

COMTrend

WAP-PC1750W



*When High Power alone isn't enough.*

Comtrend's WAP-PC1750W, an AC1750 Access Point, offers ultra-fast speeds and exceptional coverage. Not only can it send high power wireless signals to far away locations (560mW), it also has ultra high sensitivity so it can "hear" wireless communication from far away devices (-93dBm). High power and high sensitivity work together to bring you the coverage you need.

## KEY BENEFITS

### Higher Power + Higher Sensitivity

High Power (560mW) and High Sensitivity (-93dBm) equals the coverage you need.

### Connect & Go Installation

Pre-configured for zero setup.

### Internal Radius Server

User level password management.

### Flexible Deployment

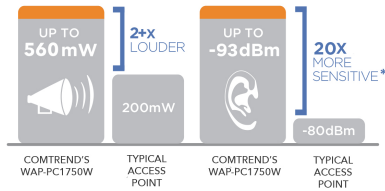
Supports PoE+ for deployment in areas where power is not available.

# WAP-PC1750W

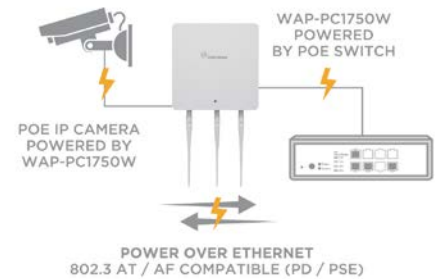
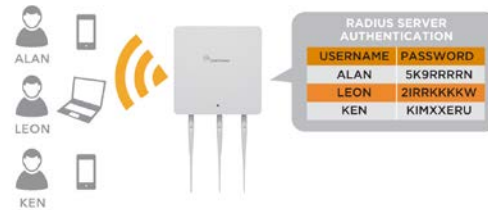
**Higher Power + Higher Sensitivity**  
Together equals better coverage.

**Internal Radius Server**  
User level password management.

**Flexible Deployment**  
Supports PoE+ for deployment in areas where power is not available.



\*.00000001mW/.00000005mW=20mW



## FEATURES

- 802.11ac dual-band WiFi connectivity with concurrent speeds up to 1300Mbps (5GHz) + 450Mbps (2.4GHz)
- 32 SSIDs for network management
- PoE (Power over Ethernet) PSE to power additional devices
- 802.3at compatible
- Integrated magnetic wall mount option

## SPECIFICATIONS

### Hardware

- 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

### Radio Frequency (RF)

- 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

### Transmit Power (Tolerance +-2dB)

- |                           |                          |
|---------------------------|--------------------------|
| 802.11b<br>27.5dBm@11Mbps | 802.11a/n(5G)<br>27.5dBm |
| 802.11g<br>27.5dBm@24Mbps | 802.11ac<br>27.5dBm      |
| 802.11n(2.4G)<br>27.5dBm  |                          |

### Receiver Sensitivity

- |  |                           |
|--|---------------------------|
| 802.11b<br>≤-93dBm@1Mbps<br>≤-90dBm@11Mbps | 802.11gn(2.4G)<br>≤-90dBm |
| 802.11g<br>≤-90dBm@6Mbps                   | 802.11n(5G)<br>≤-90dBm    |
|  | 802.11ac(5G)<br>≤-84dBm   |

### Software

- 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

### 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 lease congested channel
- Backup & Restore : Save & restore settings through Web interface
- CLI : Support Command Line Interface
- Local Radius : Radius Server Built-in (256 Accounts Supported)

### Environment & Physical

- 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 : 1.25lbs (with antennas attached)