WAP-EN1750R

COMTREND

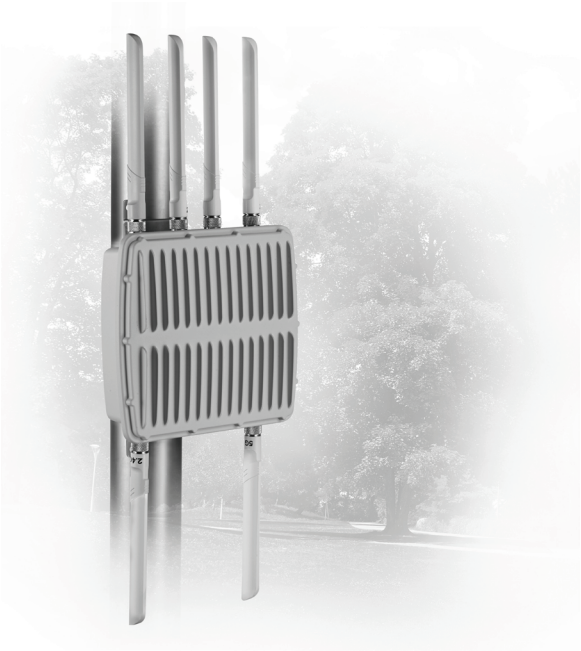
AC 1750 | OUTDOOR WIRELESS ACCESS POINT

Pole/Wall- Mount | IP67- Rated Weatherproof | Supports up to 100 Users Simultaneously

PRODUCT OVERVIEW

Comtrend's WAP-EN1750R Wireless Access Point combines 560mW high power radios and -93dBm high sensitivity to deliver robust wireless coverage in outdoor/harsh environments.

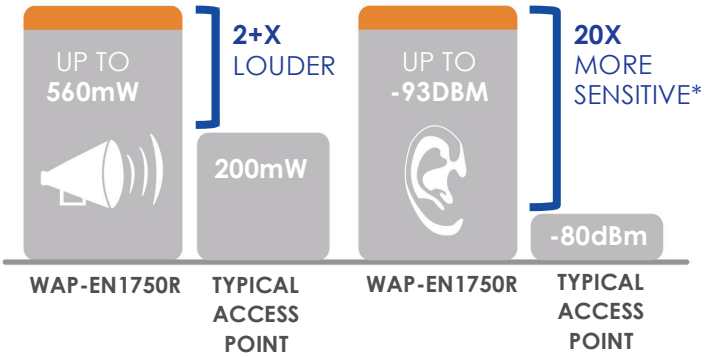
- Remotely manage firmware updates, configurations, backup and restoration and password control via TR-069
- Easily setup Guest Networks to isolate the local network from the wireless clients via an IP filter
- Manage the handoff of client devices from one access point to another with negligible interruption



KEY BENEFITS

Higher Power, Higher Sensitivity

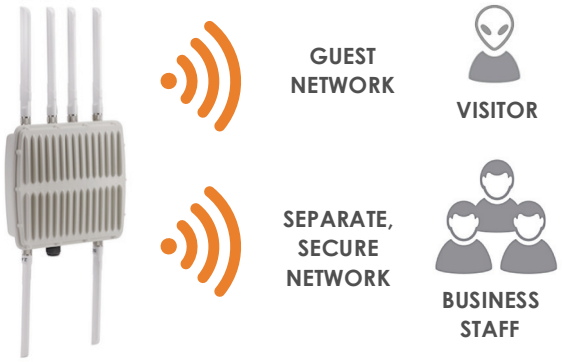
Together equals better coverage.



*0.00000001mW/0.000000005mW=20mW

Comprehensive Network Features

Supports guest network feature, cluster configuration and smart handover.



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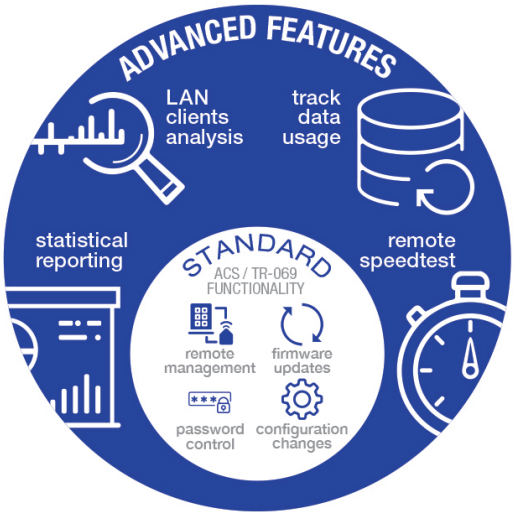
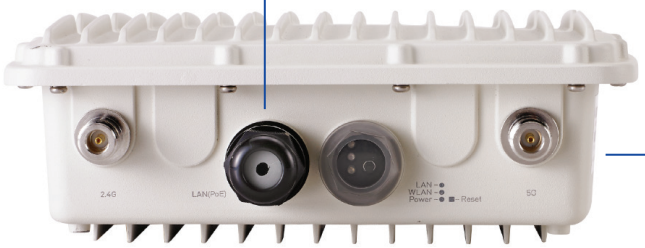
TR-069-Supported for Simplified Management



Built for the Outdoors

Gigabit Speed with PoE Convenience

Weather-Protected Gigabit Port - 10x Faster Than Standard Ports



IP67-Rated Weatherproof & Dustproof Housing

SPECIFICATIONS

Hardware

- Memory: 128MB; Flash: 16MB
- Physical Interface:
  - One 10/100/1000 Gigabit Ethernet LAN Port with 802.3at PoE Support
  - Three LEDs + One Reset M25 Interface
- Power Requirement: Power over Ethernet, IEEE 802.3at
- Antenna:
  - Three External N-Type 2.4GHz 4dBi Antennas
  - Three External N-Type 5GHz 6dBi Antennas

Radio Frequency (RF)

- Wireless Standard: IEEE 802.11 a/b/g/n/ac
- Frequency Band:
  - Radio 1: 802.11b/g/n 2.400~2.484(GHz); Radio 2: 802.11a/n/ac 5.150~5.250(GHz), 5.250~5.350(GHz), 5.470~5.725(GHz), 5.725~5.850(GHz)

Transmit Power (Tolerance +-2dB)

- **802.11b:**
  - 23dBm@1Mbps
  - 23dBm@11Mbps
- **802.11g:**
  - 23dBm@6Mbps; 19dBm@54Mbps
- **802.11n(2.4GHz):**
  - 27.5dBm@MCS0 (HT20/40)
  - 22.5dBm@MCS7 (HT20/40)
- **802.11a:**
  - 22dBm@6Mbps; 18dBm@54Mbps
- **802.11a/n(5GHz):**
  - 27.5dBm@MCS0/MCS8
  - 22.5dBm@MCS7/MCS15
- **802.11ac:**
  - 27.5dBm@MCS0; 22.5dBm@MCS7; 19.5dBm@MCS9

Receiver Sensitivity

- **802.11b:**
  - ≤-93dBm@1Mbps
  - ≤-90dBm@11Mbps
- **802.11g:**
  - ≤-90dBm@6Mbps
  - ≤-74dBm@54Mbps
- **802.11gn(2.4GHz):**
  - ≤-94.5dBm@MCS0
  - ≤-76.5dBm@MCS7
  - ≤-90dBm@MCS8
  - ≤-72dBm@MCS15
- **802.11a**
  - ≤-90dBm@6Mbps
  - ≤-72dBm@54Mbps
- **802.11an(5GHz)**
  - ≤-94.5dBm@MCS0
  - ≤-70.5dBm@MCS7
  - ≤-90dBm@MCS8
  - ≤-66dBm@MCS15
- **802.11ac**
  - ≤-90.5dBm@6MCS0
  - ≤-60.5dBm@MCS9

Software

- Multiple BSSID: Total 32 (16 for 2.4GHz, 16 for 5GHz)
- VLANs: SSID and Ethernet Port Based Tag/Untag (VID＝1～4096)
- Wireless Mode: 11 a/11b/11g/11n/11ac
- Channel Bandwidth: (Auto, 20,40, 80MHz)
- Transmission Rate:
  - 2.4GHz: 11b, 11g, 11b/g, 11g/n, 11/b/g/n
  - 5GHz: 11a, 11a/n, 11a/n/ac
- Pass-Through: Support IPv6 and VPN Pass-Through
- QoS: WMM, Max Associated Station Number
- Security: WEP Encryption – 64/128 Bit, WPA Personal (WPA-PSK Using TKIP or AES), WPA Enterprise (WPA-EAP using TKIP or AES), 802.1x 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 Percentage
- Configuration: Web-Based Configuration HTTP/HTTPS/SSH/CLI
- Firmware: Upgrade Via WEB, CLI, TFTP, and FTP
- SNMP: v1, v2c, v3. MIB II, IEEE802.11MIB, BridgeMIB, Interface MIB, Private MIB
- Auto-Channel: Automatically Selects Least Congested Channel
- Backup & Restore: Save & Restore Settings Through Management Interfaces
- CLI: Support Command Line Interface
- Local Radius：Radius Server Built-in (256 Accounts Supported)
- Power Saving: Support ARP Proxy for Connected Wireless Client

Environmental & Physical

- Temperature Range: Operation: -40°F to 158°F; -40°C to 70°C
- IP67- Rated Weatherproof and Dustproof
- Storage: -40°F to 176°F; -40°C to 80°C
- Certifications: FCC, CE
- Dimensions: 10.12in(L) x 8.94in(W) x 3.54in(H); 257mm(L) x 227mm(W) x 90mm(H)
- Weight: 6.6lbs; 2.98Kg

Note: Specifications are subject to change without notice.

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