

AC 900 | OUTDOOR WIRELESS ACCESS POINT

5GHz | Directional Antennas | IP55-Rated Weatherproof | Wall/Pole-Mount

PRODUCT OVERVIEW

Comtrend's WAP-EN900R Wireless Access Point combines 400mW high-power radios and -90dBm high sensitivity to deliver high-performance, point-to-point Wireless in outdoor environments.

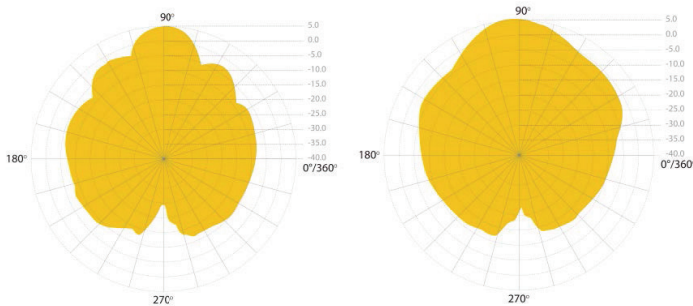
- Directional antennas optimized specifically for outdoor point-to-point bridging
- Remotely manage firmware updates, configurations, backup and restoration and password control via TR-069
- Enjoy quick setup with PoE convenience



KEY BENEFITS

Directional Radiation Pattern

Designed for Point to Point Backhaul



5GHz

5GHz

2D Radiation Pattern @ Vertical

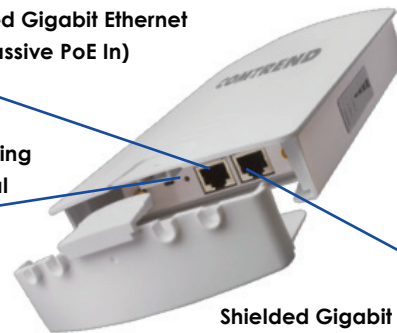
2D Radiation Pattern @ Horizontal

Designed for Simplified Deployments in Outdoor Environments

IP55-Rated Weatherproof, Shielded PoE Gigabit Ethernet Ports, and a Grounding Terminal

Shielded Gigabit Ethernet Port (Passive PoE In)

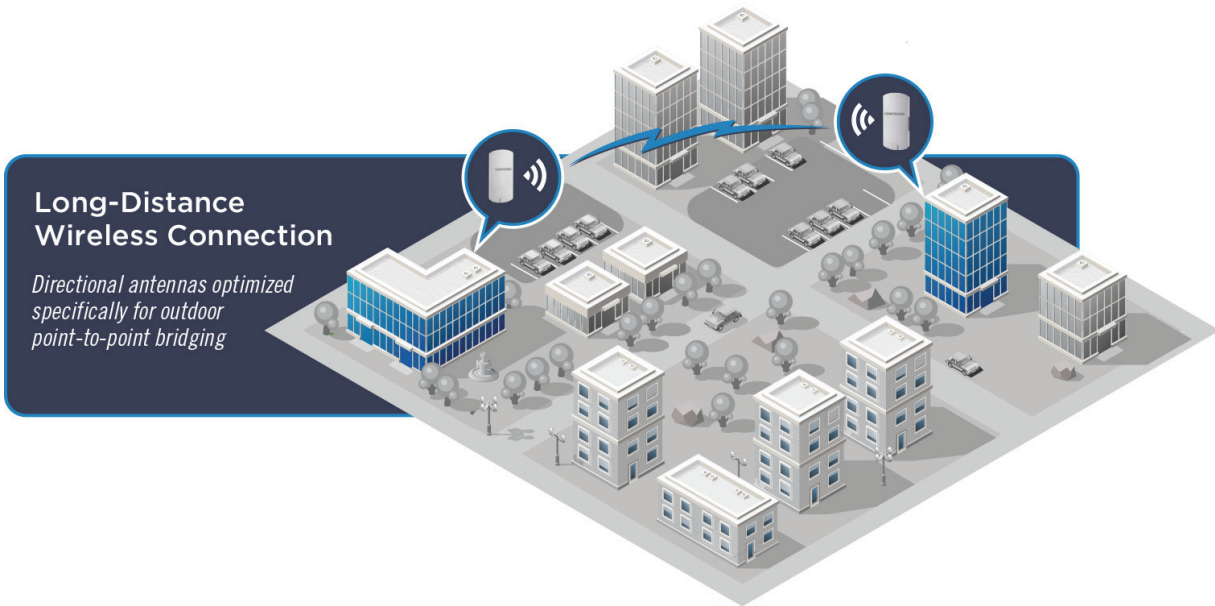
Grounding Terminal



Shielded Gigabit Ethernet Pass Through Port



WAP-EN900R



SPECIFICATIONS

Hardware

- Memory: 128MB; Flash: 16MB
- Physical Interface:
 - Two 10/100/1000 Gigabit Ethernet LAN Ports with Passive PoE Support
 - One Passive PD-In (LAN 1); One Pass-Through Passive PoE PSE-Out (LAN 2)
 - Reset Button
 - Slide Switch (LAN 2 Passive PoE PSE-Out Power On/Off)
 - Two RPSMA Connectors for External Antennas
- Power Requirement: Power over Ethernet, Passive PD-In
- Directional Antenna:
 - Internal 5GHz 14dBi Antenna

Radio Frequency (RF)

- Wireless Standard: IEEE 802.11 a/n/ac
- Frequency Band:
 - Radio 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

- **802.11a:**
 - 26dBm@6Mbps; 22dBm@54Mbps
- **802.11a/n(5GHz):**
 - 26dBm@MCS0/MCS8 (HT20/40); 21dBm@MCS7/MCS15 (HT20/40)
- **802.11ac:**
 - 26dBm@MCS0 (VHT20/40/80); 21dBm@MCS7 (VHT20/40/80); 18dBm@MCS9 (VHT20/40/80)

Receiver Sensitivity

- **802.11a**
 - ≤-90dBm@ 6Mbps; -74dBm@ 54Mbps
- **802.11a/n(5GHz)**
 - -90dBm@ MCS0 (HT20); -70dBm@ MCS7 (HT20)
 - -87dBm@ MCS0 (HT40); -68dBm@ MCS7 (HT40)
- **802.11ac**
 - -84dBm@ MCS0 (VHT20/40/80); -58dBm@ MCS9 (VHT40/80)

Software

- Multiple BSSID: 16
- VLANs: SSID and Ethernet Port Based Tag/Untag (VID=1~4096)
- Wireless Mode: 11a/11n/11ac
- Channel Bandwidth: (Auto, 20 MHz, 40MHz, 80MHz)
- Transmission Rate:
 - 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 Authenticator—MD5/TLS, 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

- TR-069 Remote 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: -4°F to 140°F; -20°C to 60°C; Storage: -22°F to 158°F; -30°C to 70°C
- Humidity:
 - Operating: 90% or Less; Storage: 90% or Less
- IP55-Rated Weatherproof
- Certifications: FCC, CE
- Dimensions: 4.8in(L) x 1.2in(W) x 9.75in(H); 122mm(L) x 30mm(W) x 248mm(H)
- Weight: 1.3lbs; 590g

Note: Specifications are subject to change without notice.

DS_WAP-EN900R_V1.0.2

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