

**WR-6895**

# HIGH POWER AC2050

## TELCO GRADE ETHERNET GATEWAY

400mW High Power | AC2050 | TR-069 | 5 Gig Ports

### PRODUCT OVERVIEW

The **WR-6895** is a Telco-Grade Gigabit Ethernet Wireless Router that is ideal for video streaming.

- Avoid long buffer times with the latest Quantenna 802.11ac Wave 2 technology
- Take advantage of the latest high-bandwidth applications and services such as streaming of HD and UHD IPTV, home-automation, and online gaming
- Reduce truck rolls with remote management to easily fix wireless issues



### KEY BENEFITS

#### Maximizes Video Streaming

Equipped with Quantenna's latest 802.11ac Wave 2 technology, the WR-6895 delivers super-charged 4x4 AC2050, MU-MIMO wireless connectivity with dynamic beamforming to enhance video experience.

#### Provides Optimized Performance

High power 400mW wireless technology extends wireless coverage to reduce dead zones in the home or office.

#### Improves Customer Service & Lowers Operational Costs

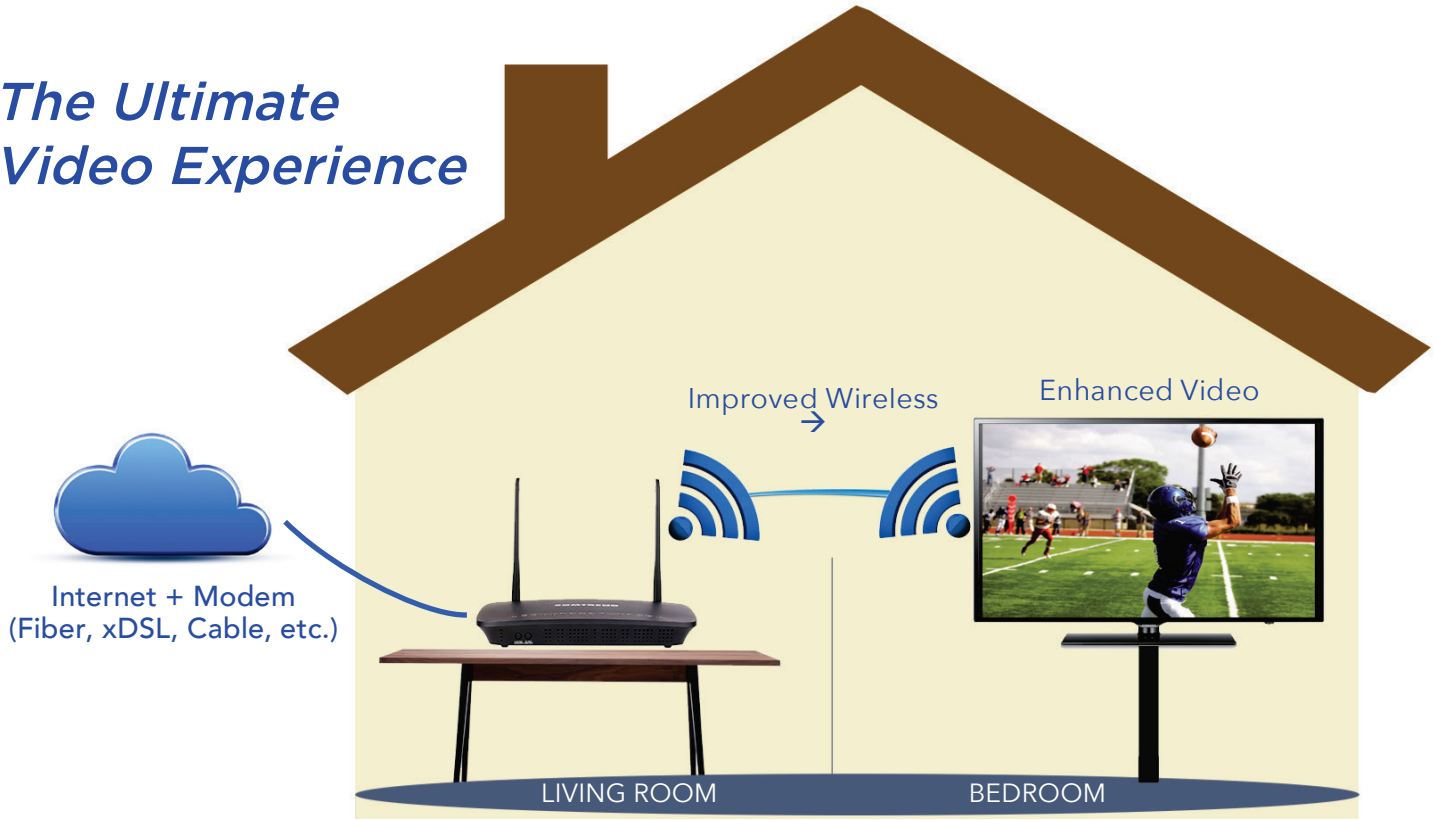
TR-069 device management enables service providers to remotely manage and configure their devices.

#### Interoperates with FTTx Deployments

The WR-6895 offers an ultra-fast Gigabit Ethernet port for gigabit speeds over its WAN connection.

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## The Ultimate Video Experience



### IMPROVED WIRELESS

Dynamic digital beamforming technology sends a direct wireless signal to the device, improving wireless range and connectivity.

### ENHANCED VIDEO

Quantenna's 4x4 AC2050, MU-MIMO wireless technology delivers super-charged wireless connectivity for the ultimate video streaming experience.



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## SPECIFICATIONS

### Hardware

- RJ-45 X 1 for WAN (10/100/1000 Base-T auto-sense)
- RJ-45 X 4 for LAN (10/100/1000 Base-T auto-sense)
- Reset button X 1
- WPS & WiFi On/Off button X 2
- WiFi Antennas X 4 (Internal X 2, External X 2)
- Power switch X 1
- USB 3.0 Host X 1

### WLAN

- IEEE 802.11n 2.4GHz, backward compatible with 802.11b/g
  - 400mW high power
  - 2T2R antenna array
  - Up to 300Mbps PHY rate
- IEEE 802.11ac 5GHz, backward compatible with 802.11a/n
  - 400mW high power
  - 4T4R antenna array
  - Up to 1733Mbps PHY rate
- WPA/WPA-PSK, WPA2/WPA2-PSK with TKIP & AES security type
- Multiple SSID
- MAC address filtering

### LAN

- 10/100/1000 Base T, IEEE 802.3, IEEE 802.3u IEEE 802.3ab
- Support MDI/MDIX

### USB

- File Sharing
- Print Server

### Management

- TR-069/TR-098/TR-104/TR-111, SNMP, Telnet, Web-based management, Configuration backup and restoration
- Fine Point's TR-069 enhanced functionality is available on this model with specified software
- Software upgrade via HTTP, TFTP server, or FTP server

### Networking Protocols

- PPPoE pass-through, Multiple PPPoE sessions on single WAN interface
- PPPoE Filtering of non-PPPoE packets between WAN and LAN
- Transparent bridging between all LAN and WAN interfaces
- 802.1p/802.1q VLAN support
- Spanning Tree Algorithm
- IGMP Proxy V1/V2/V3, IGMP Snooping V1/V2/V3, Fast leave
- Static route, RIP v1/v2, ARP, RARP, SNTP
- DHCP Server/Client/Relay
- DNS Proxy/Relay, Dynamic DNS
- Internet Printing Protocol
- UPnP
- IPv6 subset

### Firewall/Filtering

- Stateful Packet Inspection Firewall
- Stateless Packet Filter
- Parental Control
- URI/URL filtering
- Denial of Service (DOS): ARP attacks, Ping attacks, Ping of Death, LAND, SYNC, Smurf, Unreachable, Teardrop
- Port Scan Detection and Protection
- TCP/IP/Port/interface filtering rules Support both incoming and outgoing filtering

### NAT/NAPT

- Supports One to One, Many to One, Many to Many (Overload), Many to Many (No Overload) NAT
- NAT Loopback
- Port Triggering
- Port Forwarding (Virtual Server)
- Symmetric Port-Overloading NAT, Full-Cone NAT
- DMZ Host
- VPN Pass Through (PPTP, L2TP, IPSec)

**Note: Specifications are subject to change without notice**

PG-9172

## G.hn | POWERLINE ADAPTER

### PRODUCT OVERVIEW

**Bringing wired connectivity to remote spots in your home or business.**

Comtrend's PG-9172 G.hn Powerline Adapter is a G.hn-based powerline device designed to give users a better alternative to connect devices within a home or business network. Using existing electrical wiring and powerline technology, devices can now be connected at wired speeds without expensive rewiring with Ethernet (CAT5e/6) cables. With new G.hn technology, real world powerline performance is significantly improved over current powerline standards. G.hn minimizes the line of interference and maximizes video throughput.



Comtrend's PG-9172 G.hn Powerline Adapter is the first to pass HomeGrid Forum certification standards.

### KEY BENEFITS

#### **Performance When Wireless is Not Good Enough**

Delivers Internet to remote spots in your home or business

#### **Enhances Your Streaming Video Experience**

G.hn technology uses algorithms designed to improve video quality and minimize video lag

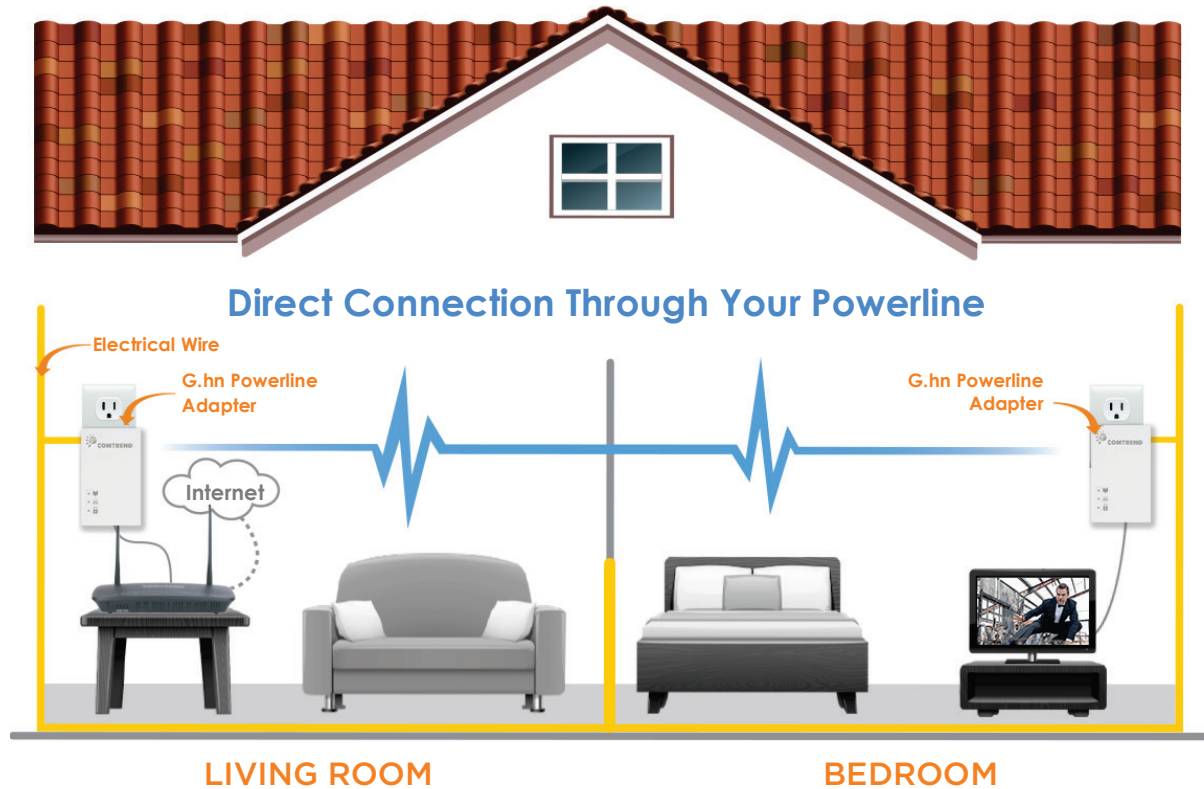
#### **Connecting, Not Just Extending**

G.hn technology delivers superior performance through a direct electrical wired connection

#### **Turn Your Electrical Outlets into an Ultra-Fast Network**

Can connect up to 16 devices within a G.hn Powerline Network

# PG-9172



## SPECIFICATIONS

### Interface

- RJ-45 X 1 for Ethernet Connection
- AC Power Plug X 1

### Ethernet

- Standard IEEE 802.3u, 802.3ab
- 10/100/1000Mbps BaseT Ethernet Port
- Auto Rate and Duplex Negotiation
- MDI/MDX Support

### Modulations

- OFDM, FEC, Flexible Frequency Configuration

### PHY Rate

- Up to 1200Mbps

### Management

- HTTP Web-Based; Firmware Upgrade via TFTP
- TR-069 Supported

### Security

- AES 128 Bits Encryption Ensures Total Data Security
- One Button Security Set Up
- Configuration Button for Factory Reset

### Networking Protocols

- 802.1D Ethernet Bridge
- 802.1Q VLAN
- Quality of Service (QoS)
- IGMP (IPv4) Snooping & MLD (IPv6) Snooping

### Power

- 100-240 VAC 50Hz/60Hz
- Auto Power Saving Mode Max 0.5W (in standby mode)

### Environmental Condition

- Operating Temperature: 32~104°F (0~40°C)
- Relative Humidity: 8~95% (Non-Condensing)

### Dimension

- 3.66(H) x 2.35(W) x 2.20/1.38(D) in (with/without plug)
- 93(H) x 59.6(W) x 56/35(D) mm (with/without plug)

### Certifications

- IC, UL/cUL, CE, FCC
- HomeGrid Forum Certified

**Note: Specifications are subject to change without notice.**

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PG-9172AC

COMTREN

AC  
1200

# G.HN POWERLINE ADAPTER

Dual Band AC1200 | 1 Gigabit Port | OptimizAIR 2.0



## PRODUCT OVERVIEW

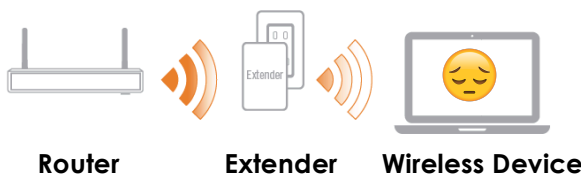
**Bring next-generation wireless performance to your remote rooms via electrical wiring.**

Comtrend's PG-9172AC is a G.hn-based powerline device with the added benefit of 802.11ac WiFi connectivity. Using existing electrical wiring and powerline technology, you can get WiFi connectivity to hard to reach locations without the weakened signal of a wireless extender. With advanced WiFi OptimizAIR 2.0 technology, the PG-9172AC delivers higher capacity and superior QoS for optimized video streaming. Easily add on to or create your G.hn Powerline Network—connect up to 16 G.hn Powerline Adapters (a minimum of two devices is required).

## KEY BENEFITS

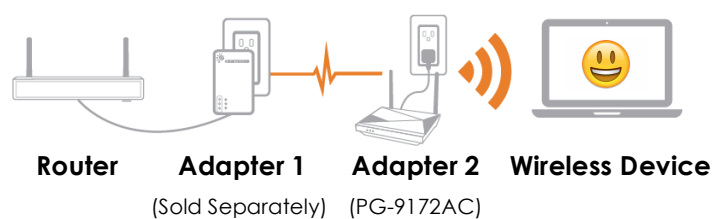
### Performs Better Than an Extender

Extenders repeat an already weakened WiFi signal.



VS.

Powerline adapters recreate the experience of a wired connection for better performance.



# PG-9172AC

Connect Your Devices with Dual-Band Wireless



## SPECIFICATIONS

### Interface

- RJ-45 X 1 for Gigabit Ethernet Connection
- LED: LAN, 2.4GHz, 5GHz, PLC, POWER
- Button: WiFi On/Off, WPS, PLC Sync, PWR, RESET
- External WiFi Antenna x 2

### Ethernet

- Standard IEEE 802.3
- 10/100/1000Mbps BaseT Auto-Sense
- Auto Rate and Duplex Negotiation
- MDI/MDIX Support

### WLAN (WiFi)

- Up to 1200Mbps by WiFi Transmission
- WiFi OptimizAIR 2.0 (Higher Capacity & Superior QoS)
- 802.11 b/g/n @ 2.4GHz, 2T2R
- 802.11 a/n/ac @ 5GHz, 2T2R, External FEM
- Concurrent 2.4GHz & 5GHz
- 11 Channels (US, Canada)
- WPA/WPA2/Mixed WAP2+WAP

### Modulations

- OFDM, FEC, Flexible Frequency Configuration
- BPSK/QPSK/16-QAM/64-QAM for WiFi

### Management

- HTTP Web-based
- TR-069 Supported (Single Entity for G.hn & WiFi Functions)

### Security

- AES 128 Bits Encryption Ensures Total Data Security
- One Button Security Set-Up
- Reset Button for Factory Reset

### Networking Protocols

- 802.1D Ethernet Bridge
- 802.1Q VLAN
- Quality of Service (QoS)
- IGMP (IPv4) Snooping & MLD (IPv6) Snooping
- Built-in Dual TCP/IP Stack (IPv4/IPv6)

### G.hn (PLC)

- ITU-T G.9960 & G.9961 Compliant
- G.hn MIMO Support
- NDM Support

### Power

- 110-240 VAC 50Hz/60Hz

### Environmental Condition

- Operating Temperature: 32~104°F (0~40°C)
- Relative Humidity: 8~95% (Non-Condensing)

### Dimension

- 7.08 X 5.35 X 1.61in (H x W x D)
- 180 x 136 x 41mm (H x W x D)

### Certification

- CE, FCC, HGF

**Note: Specifications are subject to change without notice.**

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