COMTREND

PRT-6351

WiFi 6E TriBand Ethernet Gateway

Tri-Band WiFi 6E | AX7800 | 2.5 Gigabit WAN | Gigabit LAN

Comtrend's PRT-6351 Ethernet Gateway supports WiFi 6E, the latest WiFi standard, offering enhanced speeds, reduced interference, and improved coverage. With its ability to optimize device densities and high-bandwidth applications, the PRT-6351 Gateway empowers service providers to stay competitive in the industry, delivering superior connectivity and a seamless WiFi experience to their customers.

- Tri-Band WiFi 6E
- Ultra High Power 1W
- Supports EasyMesh
- TR-069 Remote Management
- 2.5 Gigabit WAN
- Gigabit LAN x4

What's New with WiFi 6E?

Features

- More, contiguous spectrum
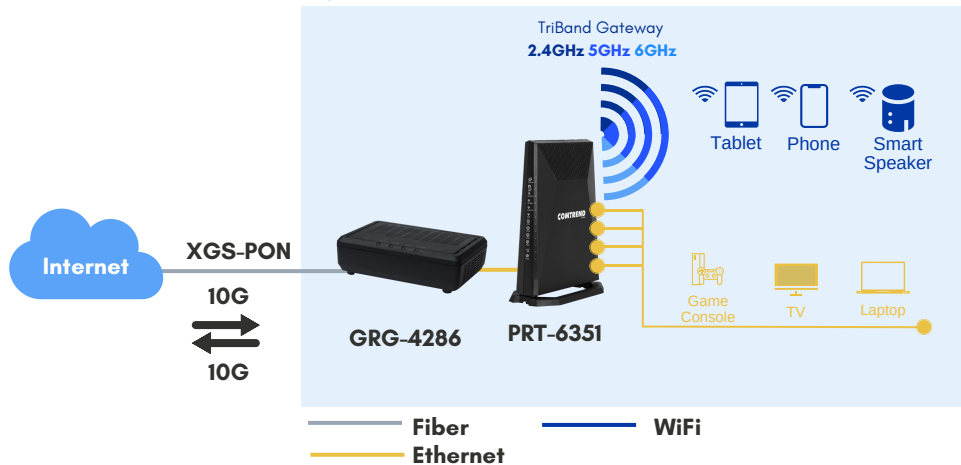- Wider channels
- Less interference

Benefits

- Gigabit Speeds
- Extremely low latency
- High Capacity

Application Diagram

TriBand Gateway
2.4GHz 5GHz 6GHz

Internet — XGS-PON — 10G / 10G — GRG-4286 — PRT-6351

Tablet Phone Smart Speaker

Game Console TV Laptop

— Fiber   — WiFi
— Ethernet

Specifications

Hardware
- 4 x GbE RJ-45 LAN ports (10/100/1000 Base-T auto-sense)
- 1 x 2.5GbE RJ-45 WAN port (10/100/1000/2500 NBase-T)
- 1 x Reset button
- 1 x WPS (2.4G and 5G)
- 1 x WiFi On/Off button (2.4G, 5G and 6G)
- 6 x WiFi Antennas
- 1 x Power switch
- 1 x USB 3.0 Host

WLAN
- Up to 1W Ultra High TX Power
- IEEE 802.11ax, 2.4GHz, 2T2R, backward compatible with 802.11n/g/b
- IEEE 802.11ax, 5GHz, 4T4R, backward compatible with 802.11ac/n/a
- IEEE 802.11ax, 6GHz, 2T2R, backward compatible with 802.11ac/n/a
- WPA/WPA2/WPA3-PSK with TKIP & AES security type
- Multiple SSID
- MAC address filtering
- 802.1x radius supported
- Supports entire 5GHz band including Dynamic Frequency Selection (DFS) channels
- Supports band steering
- Supports beamforming

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

2.5Gigabit WAN
- IEEE 802.3bz
- 2.5G BASE-T, auto-sense
- Support MDI/MDX

Networking Protocols
- MAP-T and MAP-E support
- IPoE, PPPoE, Bridge,
- 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

Management
- TR-069/TR-181/TR-104/TR-111/TR-143, SNMP, Telnet, Web-based management
- Configuration backup and restoration
- Software upgrade via HTTP, HTTPS, FTP

Firewall/Filtering
- Stateful Packet Inspection Firewall
- Stateless Packet Filter
- Parental Control
- URI/URL Filtering
- TCP/IP/Port/interface filtering rules Support both incoming and outgoing filtering

NAT/PAT
- Supports One to One, Many to One,
- NAT Loopback
- Port Triggering
- Port Forwarding (Virtual Server)
- Symmetric Port-Overloading NAT, Full-Cone NAT
- DMZ Host
- VPN Pass Through (PPTP)

USB
- File Sharing (DLNA & Samba)
- Print Server

Environment
- Operating temperature: 32~104°F (0~40°C)
- Relative humidity: 5~95% (non-condensing)

Note: Specifications are subject to change without notice.