COMTREND

WIFI 6 GATEWAY
FOR SERVICE PROVIDERS

Gigabit Ethernet WAN Port | WiFi 6 | Ultra High Power 1W | TR-069

PRT-6301

The PRT-6301 is Comtrend's WiFi 6 Ethernet Gateway for Fiber, Satellite/ Wireless, Cable and other access technologies. The PRT-6301 has ultra-high power & optimized WiFi for the best whole-home wireless coverage experience.

Increased Efficiency and Optimized Coverage
WiFi 6 utilizes new features in WiFi technology such as OFDMA, MU-MIMO, 1024-QAM for an enhanced overall WiFi experience.

Use More Devices Simultaneously
WiFi 6 is ideal for simultaneously running multiple high-bandwidth devices.

Improved Performance in Dense Environments
New features including BSS coloring and ODFMA increase performance in dense WiFi environments.

Remote Management for Reduced Truck Rolls
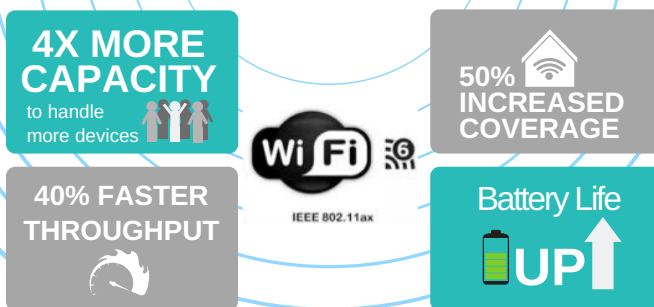The PRT-6301 supports TR-069 to easily setup, manage, troubleshoot and control the CPE remotely.

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PRT-6301

WiFi 6 Features

4X MORE CAPACITY to handle more devices

40% FASTER THROUGHPUT

Wi‑Fi 6
IEEE 802.11ax

50% INCREASED COVERAGE

Battery Life UP

Specifications

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

WLAN
- AX5400Mbps PHY Rate
- 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
- 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

LAN
- 10/100/1000 Base T, IEEE 802.3, IEEE 802.3u IEEE 802.3abSupport MDI/MDIX

Networking Protocols
- RFC 1483/2684 VC-MUX, LLC/SMAP encapsulations for bridged or routed packet
- IPoE, PPPoE, Bridge, IPoA, PPPoA
- 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
- Fine Point's TR-069 enhanced functionality is available on this model with a firmware upgrade
- Software upgrade via HTTP, TFTP server, or FTP server

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/PAT
- 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)

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.