COMTREND

WIFI 6 GATEWAY
FOR SERVICE PROVIDERS

A/VDSL WAN Port | Gigabit Ethernet WAN Port | WiFi 6 | TR-069

VR-3071

The VR-3071 is Comtrend's first WiFi 6 Gateway to give end users an optimized WiFi experience. Comtrend purpose-built the VR-3071 for enhanced whole-home coverage using the latest in Wireless technology.

Increased Efficiency and Optimized Coverage
WiFi 6 is the latest in WiFi technology utilizing OFDMA, MU-MIMO, 1024-QAM and more for an enhanced WiFi experience.

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

Multi-WAN for Deployment Flexibility
The VR-3071 is equipped with both a Gigabit Ethernet WAN and a DSL WAN for multiple deployment options with one product.

Remote Management for Reduced Truck Rolls
The VR-3071 supports TR-069 to easily setup, manage, troubleshoot and control the CPE remotely.

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DS_VR-3071_V1.0.2

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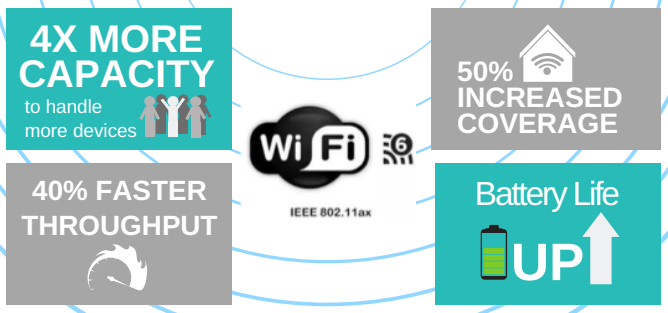
VR-3071

Specifications

WiFi 6 Features



Hardware
- RJ-11 X 1 for ADSL2+/VDSL2
- 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

VDSL
- Supports VDSL profiles, 8a/b/c/d, 12a/b, 17a, 30a, and 35b
- Seamless Rate Adaption (SRA)
- G.vector and G.vector friendly mode (G.993.2 Annex Y)
- US0 band support
- PhyR and G.INP support

ADSL
- T1.413, G.992.1 (G.dmt), G.992.2 (G.lite), G.992.3 (ADSL2) and G.992.5 (ADSL2+)
- Annexes A, L (Reach Extended ADSL2), and M (Enhanced Upstream Speed)
- Seamless Rate Adaption (SRA)
- Support VC-based and LLC-based multiplexing
- Support up to 16 PVCs
- ATM shaping: UBR/CBR/VBR-rt//VBR-nrt
- PhyR and G.INP support

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

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

Networking Protocols
- MAP-T and MAP-E support
- 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

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.

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