

**VR-3060**

# HIGH POWER AC1600

## A/VDSL2 GIGABIT GATEWAY

400mW High Power | AC1600 | TR-069 | 5 Gig Ports

### PRODUCT OVERVIEW

The VR-3060 is an A/VDSL2 Router with 400mW high power AC1600 that is ideal for high-bandwidth applications.

- Offers the latest in VDSL (up to profile 35b) with G.vector to reduce crosstalk noise for the best throughput even over longer distances
- Delivers more efficient wireless connectivity with 400mW high power AC1600 technology
- Reduces truck rolls with remote management to easily fix/prevent wireless issues



### KEY BENEFITS

#### High Speed, High Performance Wireless Connectivity

Equipped with 400mW high power AC1600 technology with dynamic digital beamforming, the VR-3060 is ideal for high-bandwidth applications.

#### Optimized Performance

Supports the latest G.vector & G.inp technologies to work together to mitigate crosstalk and impulse noise resulting in greater throughput.

#### Deployment Versatility

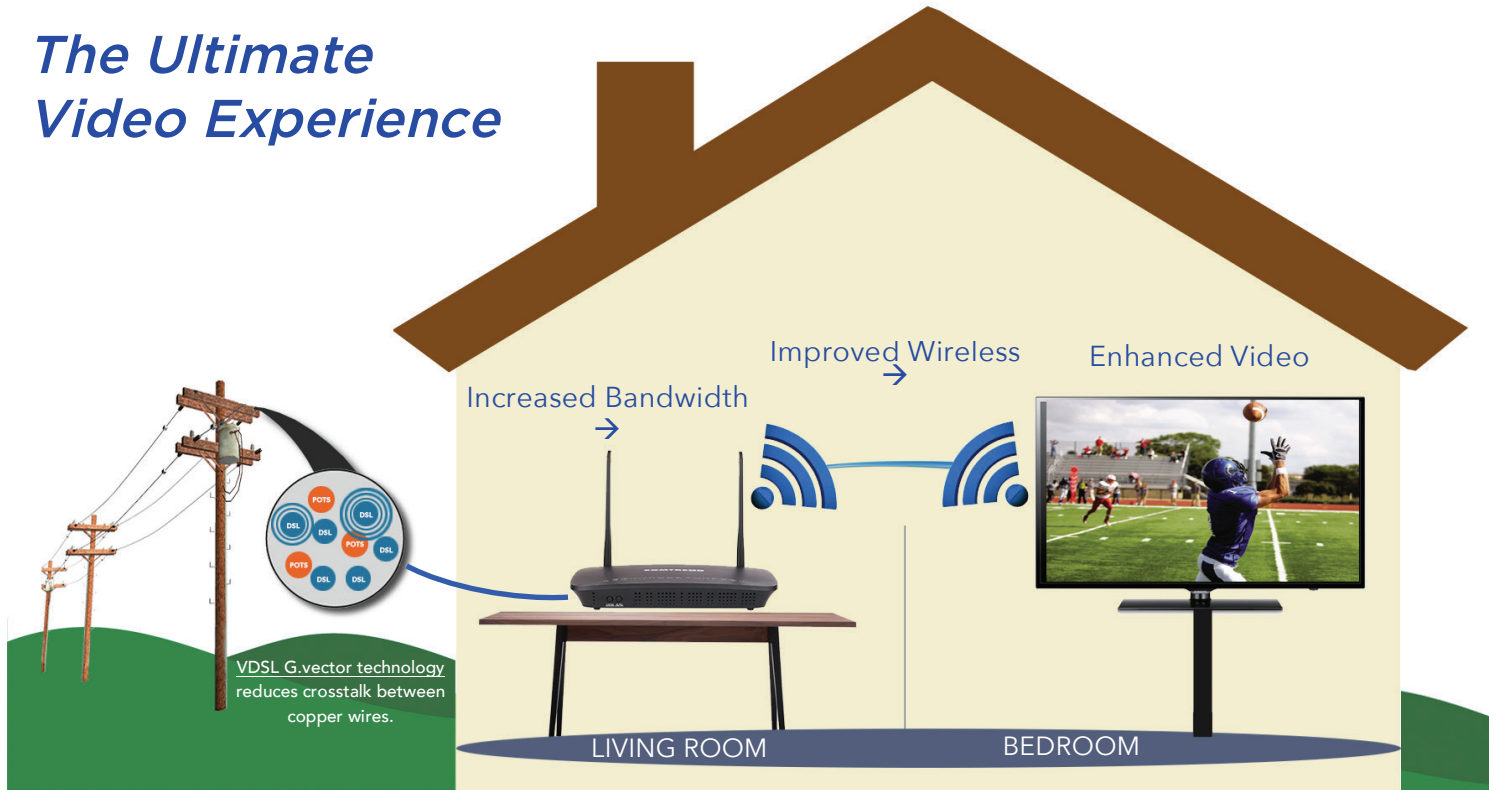
Use a single unit for copper and fiber deployments. Equipped with a combo WAN/LAN port to be configured either as WAN for fiber deployments or an additional LAN port for copper deployments.

#### Future-Proof with A/VDSL

The VR-3060 offers VDSL2 with ADSL2+ fallback for flexible future transitional deployments. Use a single unit for both ADSL2+ and VDSL2 deployments.

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# The Ultimate Video Experience



## INCREASED BANDWIDTH

VDSL G.vector technology reduces crosstalk noise resulting in increased bandwidth and performance.

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## IMPROVED WIRELESS

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

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## ENHANCED VIDEO

400mW High Power AC1600 wireless technology delivers super-charged wireless connectivity for the ultimate video streaming experience.



A/VDSL WAN Port

USB 3.0 Host

Gigabit Ports

Gigabit WAN/LAN Combo Port

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# VR-3060

## SPECIFICATIONS

### 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 3 (Internal X 1, External X 2)
- 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.inp support
- G.vector 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
- G.inp support

### 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
  - 3T3R antenna array
  - Up to 1300Mbps 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

### Environmental Conditions

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

### 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

- RFC 1483/2684 VC-MUX, LLC/SMAP encapsulations for bridged or routed packet
- IPoEoA (MER), IPoA, PPPoA, IPoE, PPPoE
- 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,SYN, 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**

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