OV815WVA

Full Gigabit 5 Port Wireless AC A/VDSL2 FTTH Gateway

THE OV815WVA DSL/FTTH GATEWAY equips Broadband and IPTV Service Providers to offer 802.11ac WiFi and xDSL technologies to their customers with a high-value experience and cost effective solution.

Inside the OV815WVA is a highly-integrated xDSL chipset supporting 5-band VDSL2 with fallback to all legacy ADSL modes. Advanced 802.11ac Dual-Band WiFi is provided via the integrated 802.11ac 3x3 and 802.11n 2x2 Access Point, delivering a strong, reliable WiFi signal throughout the home. With the included Gigabit WAN port, the OV815WVA can also be used as an Ethernet WAN gateway for FTTH or DOCSIS deployments where a carrier-grade router with industry- leading TR-069 management is required.

HIGHLIGHTS

IPv6 Enabled
Support for IPv6/IPv4 Dual Stack, IPv6 Rapid Deployment (6RD) and Dual Stack Lite (DS-Lite) transition mechanisms. The OV815WVA supports IPv6 out-of-the-box today and protects Service Provider and customer investment for years to come.

Vectoring
With integrated support for the ITU-T's G.993.5 Vectoring specification, the OV815WVA works in conjunction with vectoring-enabled DSLAMs to remove crosstalk interference, allowing lines to reach their full bandwidth potential, as if they were the only lines in the cable binder.

TR-069 Remote Management
TR069 Superior remote manageability reduces Service Provider operational expenses and maintenance costs.

IPTV Grade
With features such as dedicated hardware accelerator engines for wire-speed packet processing, G.inp Physical Layer Retransmission, advanced IGMP/Multicast traffic handling, and dynamic LAN port-to-PVC mapping, the SR516ac delivers the high throughput at low bit error rate required when delivering HD IPTV services and assures Quality of Service is maintained in the triple play environment.

FEATURES

- 4 Gigabit Ethernet ports + 1 Gigabit SmartPort™
- Dual-Band 802.11ac + 802.11n Access Point
- USB 2.0 port
- Combined WPS and Wireless on/off buttons

BUILT-IN SUPPORT

- VDSL2 Vectoring with G.inp
- VDSL2 profiles up to 17a, with automatic fallback to ADSL2/2+ Annexes A, L (Reach-Extended) and M (Extended Upstream Bandwidth)
- WiFi Beamforming-improves rate/reach for all clients
- IPv6, Dual-Stack, Dual-Stack Lite, and 6RD transition mechanisms
- K.21 Lightning protection
- Managed WiFi & SPI Firewall
- TR-069 Captive Portal

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PRODUCT FEATURES

DSL

ITU-T G.993.1/2 (VDSL/VDSL2)
ITU-T G.993.5 (G.vector)
ITU-T G.992.3/5 (ADSL2/2+)
- Annex L (Reach Extended ADSL2)
- Annex M (Extended Upstream Bandwidth)

ITU-T G.992.1/2 (G.dmt/G.lite)
ANSI T1.413 Issue 2
ITU-T G.998.4 (G.inp) Impulse Noise Protection SRA
(Seamless Rate Adaptation)

WAN

Packet Transfer Mode (PTM) in both VDSL2 and ADSL2+ Up
to 16 ATM PVCs or 8 PTM flows
Per-PVC packet level QoS
Supports UBR, VBR and CBR traffic shaping
Diffserv and 802.1Q prioritization

Wireless

802.11ac 1300Mbps AP with 3x3 Beamforming MIMO
802.11n 300Mbps AP with 2x2 MIMO
Wireless bridge, WDS
Multiple SSIDs, including isolated Guest SSID WiFi
QoS (WMM) and PowerSave
Wireless Security:
- Wi-Fi Protected Access (WPA, WPA2)
- AES/TKIP/WEP encryption
- 802.1x authentication

Remote Management

TR-069 Device Management TR-098 Gateway Device
Model TR-106 Generic Device Model
TR-111 LAN Device Management
Automatic Subscriber Activation
Real-time Status and Reporting
Remote Firmware Upgrades
Custom Configuration Backup and Restore

Security

Stateful Packet Inspection Firewall
Denial of Service attack prevention
TCP/IP/Port/interface filtering rules
MAC Layer Filtering
Day-time Parental Control
DMZ host

ROUTING AND NETWORKING

RFC2684 Multiprotocol Encapsulation over ATM
RFC2364 PPPoA
RFC2516 PPPoE
PPPoE pass-through
802.1Q VLAN over RFC2684 bridge encapsulation IP
over Ethernet over AAL5
DNS Proxy
DHCP Server and Client
DHCP Relay
NAPT and NAT
IGMP Proxy and Snooping
RIPv1/v2
LAN port to VC mapping
Multiple Protocol VLAN Mux
Multiple Service PVC IP/Bridge/802.1p QoS
Port Mirroring for troubleshooting

SPECIFICATIONS AND STANDARDS

Mechanical

Dimensions: 220mm*35mm*175mm
(L*W*H) Weight: 420g

Electrical

Power Requirements:
  AC power adapter: 100VAC to 240VAC @ 50/60Hz DC
  voltage: 12V, 2.0A

EMC & Safety

CE、FCC、ROSH、CCC
K.21 compliant

Environmental

Meets or exceeds Telcordia GR-63-CORE for:

Temperature:
- 0ºC - 40ºC (32F – 104F) (Standard Operating)
- --20ºC - 70ºC (-4F – 158F) (Storage Temperature)

Humidity:
- 10% to 95% (Non-condensing, Standard Operating)
- 5% to 95% (Non-condensing, Non-operating)

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