

VDSL2 CPE

VDSL2 Firewall Router

The VDSL2 CPE is an all-in-one VDSL2/Broadband Router. It is designed for home and SOHO users who seek for high-speed broadband access with VDSL2. The SOHO Firewall is integrated to provide protection against hacker attacks while the Quality of Service prioritizes queues and traffic for applications such as music downloads, online gaming, video streaming and file sharing.

Very High-speed Connectivity for Internet Access and IPTV Service

The VDSL2 CPE is a single VDSL2 port router equipped with four Ethernet ports by embedded 10/100Mbps Ethernet Switch. Compliant with ITU-T G.993.2 (VDSL2), G.994.1 (handshake) and G.997.1 (Physical layer management for digital subscriber line) VDSL2 standard, the VDSL2 CPE interoperates with major chipsets, and supports Profile 30a with line rate up to 100Mbps/100Mbps for various bandwidth-consuming applications, like video streaming or Video on Demand.

Standard-compliant to ITU-T G.993.2, G.994.1 and G.997.1

The VDSL2 CPE complies with the international standards and interoperates with other major/open chipsets. It supports different profiles (8a, 8b, 8c, 8d, 12a, 12b, 17a, and 30a); different band plans (997, 998, and proprietary) and different annex types (Annex A, Annex B and Annex C), by factory settings to fit into different requirements.

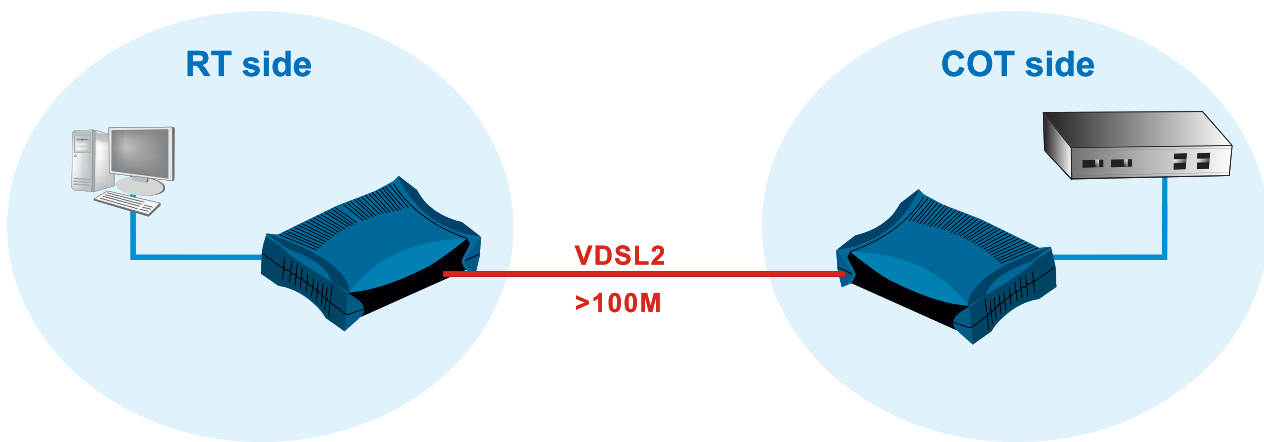
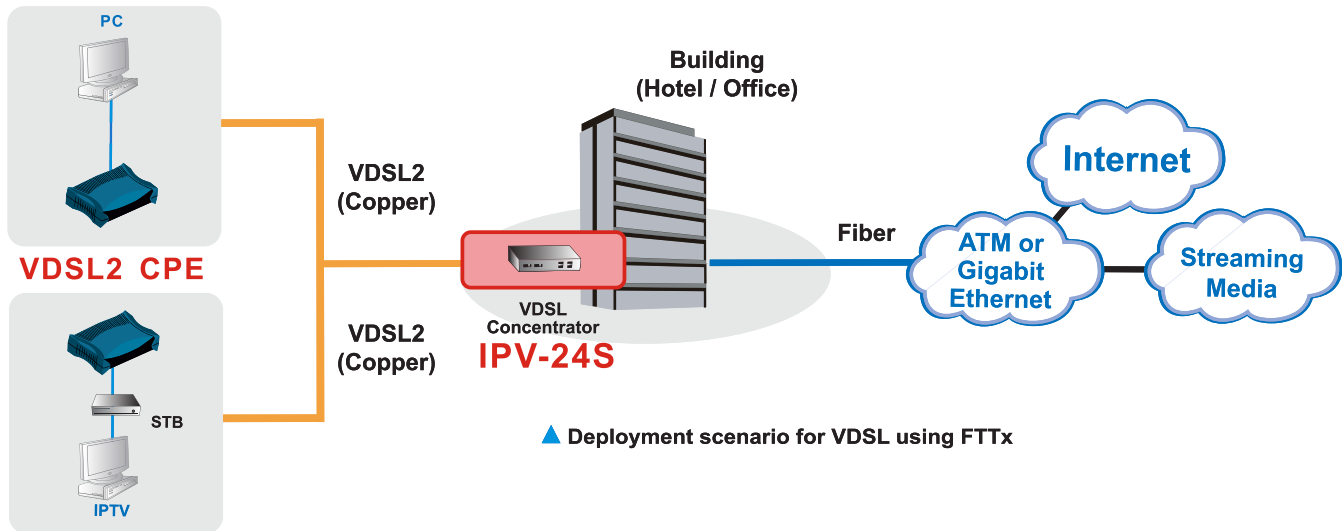
Firewall Security and Smooth Traffic

With the built-in NAT default firewall, the advanced anti-hacker pattern-filtering protection features automatically detect and block Denial of Service (DoS) attacks. In addition, Packet Filtering provides high-level security for access control. Quality of Service Control prioritizes the traffic and allows users to enjoy smooth traffic while running applications such as P2P or multimedia through the Internet.

Easy Network Management

The Web-based User Interface of the VDSL2 CPE makes it extremely easy for users to install and manage the network. The router supports both DHCP client and server, enabling system administrators to easily integrate this router into existing network environments, as well as manage IP assignment without having to reconfigure other stations.

- Compliant with ITU-T G.993.2 VDSL2 Standard
- VDSL2 Profiles: 8a/b/c/d, 12a/b, 17a, 30a
- Band Plan 997 and 998 supported
- Supports Back-to-back applications
- DIP settings for RT/COT
- Annex A, Annex B, Annex C supported
- US0 Supported
- OLR Supported
- Compliant with VDSL2 MIB
- Ethernet packets over VDSL2
- Integrated 4-port Ethernet Switch



Features & Specifications

VDSL2 Compliance

- Compliant with VDSL2 Standard, ITU-T G.993.2
- VDSL2 Profiles: 8a, 8b, 8c, 8d, 12a, 12b, 17a and 30a
- Supports 997 and 998 Band Plans
- Supports Annex A, Annex B and/ or Annex C
- Upstream/Downstream connection rates 100/100Mbps
- OLR (On Line Reconfiguration), US0 Supported
- Supports Ethernet 802.3ah

Network Protocols and Features

- Transparent bridging
- Ethernet over VDSL (EoVDSL) Bridging
- IEEE 802.3/3u compliant
- Hardware IGMP Snooping for IGMP v1/v2

Management

- Simple management function via console port
- Firmware upgradable (on demand)

Hardware Specifications

Physical Interface

- VDSL: one RJ-11 connector

- Ethernet: 4-port 10/100Mbps auto-crossover (MDI / MDI-X) Switch

- Power jack
- Power switch

Physical Specifications

- Dimensions: 7.09" x 4.72" x 1.57"
(180mm x 120mm x 40mm)

Power Requirements

- Input: 12V DC, 1A

Operating Environment

- Operating temperature: 0 - 40 °C
- Storage temperature: -20 - 70 °C
- Humidity: 20 - 95% non-condensing