![Open-Telecom, Inc. logo]

OTS-V2508W

G.fast/VDSL2 vectoring node optimized for ultra broadband in Fiber-to-the-Building applications (FTTB)

The **OTS-V2508W** is a device that provides Gigabit level G.fast service in copper standard lines. OTS-V2508W is a product developed to provide an image of the Ultra-HDTV grade which was not possible from conventional xDSL. In addition, service is well prepared with flexibility for the distance, and is capable of high-speed data communications in 300m range. Equipped with Layer2 Gigabit Ethernet V2508WCan provide high-quality multimedia services and high-speed high-capacity services

The **OTS-V2508W** can implement G.fast service interface based on TDD scheme using the same frequency for uplink and downlink, and the transmission rate of the uplink and downlink service can be varied.
In addition, 10/100/1000BASE-T module, 1000BASE-X SFP modules, E-PON and 10G module can be used as selectable options. Maximum 2 uplink ports are provided to meet a variety of network deployment

The On the other hand, **OTS-V2508W** ensures stable communication network with a Layer 2 **V2508W**, and provides the intelligent services such as QoS, security ACL (Access Control List), multicast management for establishing a high-performance network. In addition, RADIUS, TACACS +, and 802.1x are supported to limit user access, and higher security level is provided by supporting SSH to encrypt the data sent and received via SSH.

- ■ Fiber-like speed in copper access deployment
- ■ Provides 8 vectored G.fast ports
- ■ Supports VDSL2 operation with Vectoring
- ■ Uplink via SFP interface (P2P or GPON)
- ■ Electrical Ethernet for subtending
- ■ Wall mounting – optimized for FTTB installation
- ■ Easy installation – no fixed preassembled cables (no coppertail)
- ■ Fanless unit, no noise emission
- ■ Lockable housing/intrusion alarm supported
- ■ Integrated 115 ... 230 V power supply
- ■ Optional CATV converter module

FEATURES

- 32Gbps Switch Capacity
- 8 x 1Gbps G.FAST ports
- 8 x POTS ports
- Up to 2 x 10GbE uplink connections
- No speed degradation by packet size
- L2/L3/L4 Traffic classification/Priority management
- Diverse QoS mechanisms (SP/WRR)
- Multicast Support for IP-TV : IGMP v2/v3
- IPv6 Hardware Ready Platform
- SNMPv2/v3 with RMON, Alarms
- DoS resilient platform:
  Broadcast/Multicast storm control
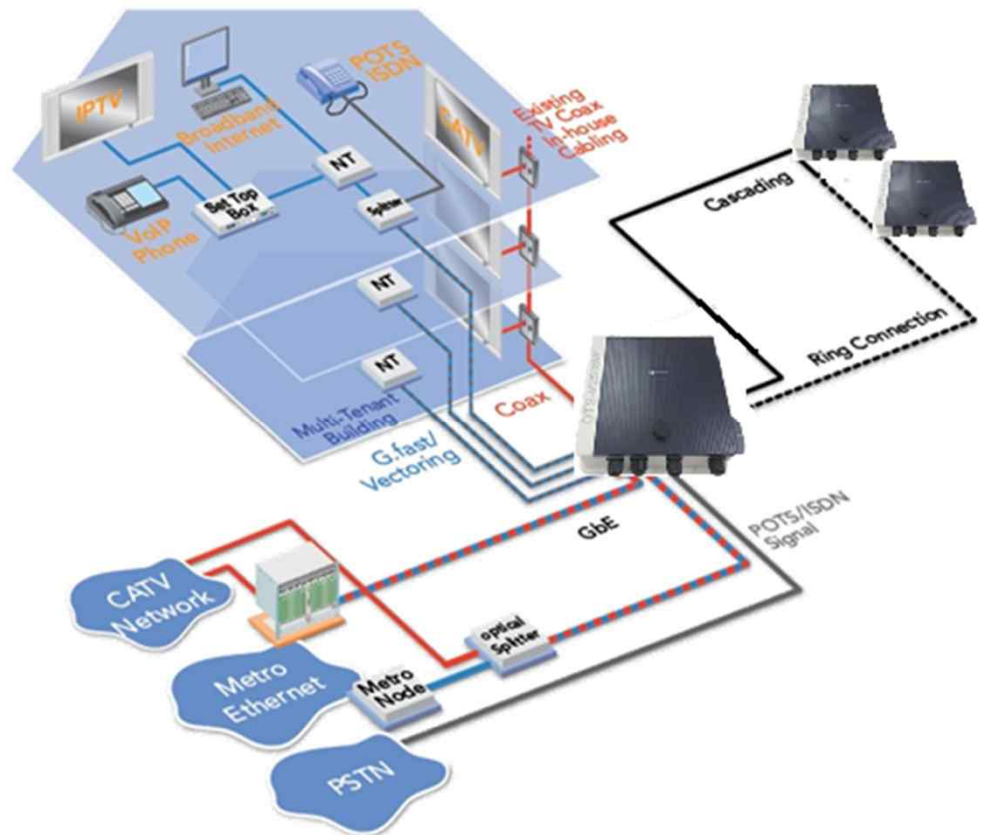- Authentication by RADIUS, 802.1x

Specifications

- Flash Memory   : 64MB
- SDRAM : 256MB
- Service Interface : G.FAST(RJ-45) 8port
                      POTS(RJ-11) 8port
- Uplink Interface : Fixed Type
  - -2 port 100/1000Base-X (SFP)
  - -2 port GPON (SC-APC)
- Console port : RS232(RJ-45), 1Port
- MGMT port : 10/100Base-TX(RJ-45) 1Port
- Switching Capacity : 32Gbps
- Power : Local AC/DC Power Adapter(
           Input 100~240VAC, 50~60Hz)
- Dying GASP
- Power Consumption : 60W
- Operating Temperature : -5~45℃
- Storage Temperature : -20~60℃
- Storage Temperature : -40~70℃
- Humidity : 0~80% (non-condensing)
- Dimension [WxHxD],mm :
  - 380mm x 340mm x 105mm

■ Ring connection
OTS-V2508W can be deployed in ring topologies.
Also subtending is possible via electrical gigabit Ethernet interfaces.

■ CableTV media converter
With a CATV module, that can be applied optionally, OTS-V2508W can provide broadband cable TV via an existing COAX cabling. The CATV signal can be transmitted via separate optical fibers or via the overlay.

■ Management
The component is managed by CLI, SNMP and Telnet

OTS-V2508W in FTTB applications (Fibre-to-the-Building)

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