

OTS-V2108W

100Mbps VDSL2 Wall Mountable Micro DSLAM

The **OTS-V2108W** uses VDSL (Very high speed Digital Subscriber Line) technology to deliver high-bandwidth access and offers most efficient service such as VoD, IPTV and VoIP to both residential and business customers over existing telephone wiring.

The **OTS-V2108W** complied with ITU-T G.993.2 VDSL2 standard is the high performance DSLAM switch which transports the traffic at the speeds of up to 100Mbps for both downstream and upstream over copper twisted pair and is suitable for Fiber-to-the-Building (FTTB) application.

The **MVD20024** supports **OLR** (online reconfiguration) function which enhances service stability by dynamically adapting the data rate without interrupting service for retraining.

The **OTS-V2108W**, wall-mountable with lockable housing, has built-in environment monitoring system which makes it possible for the operator to monitor such environment status as door open and temperature as well as system status at remote site. In addition, its fanless design features easy maintenance and no noise emission.

The **OTS-V2108W** supports such additional Layer 2 functions as STP (Spanning Tree Protocol), RSTP (Rapid Spanning Tree Protocol), Link aggregation, port-based VLAN, 802.1Q, mirroring and DHCP relay. IGMP snooping and IGMP proxy are also provided for efficient transmission of multicast traffic.

The **OTS-V2108W** supports powerful packet filtering (Layer 1 to Layer 4) functions and QoS for service security and quality improvement. NetBEUI/NetBIOS filtering, private DHCP server packet filtering and MAC address limitation per port can be realized through such packet filtering function.



Features

- ITU-T G.993.2 VDSL2 compliant
- Data rate: max. 100Mbps(down/upstream)
- 8 Subscriber ports
- UPBO (Upstream Power BackOff)
- DPBO (Downstream Power BackOff)
- OLR(On-Line Reconfiguration) function
- Radio Band Notching function
- U0, ADSL, ISDN band filtering
- Built-in low attenuation voice splitter
- High Performance Layer 2 Ethernet switching
- STP, PVSTP, RSTP
- Link aggregation, LACP
- Port based VLAN
- Tagged VLAN (802.1Q)
- Double Tag VLAN (802.1ad)
- IGMP Snooping/IGMP Proxy
- Powerful packet filtering (Layer 1 ~ 4)
- NetBIOS/NetBEUI/NBT filtering
- 802.1p, DSCP marking/remarking
- SPQ, WRR, DRR scheduling
- Easy Management (CLI, Telnet, SNMPv1/v2/v3)
- System temperature/Fan status monitoring
- 4 Gigabit uplink interface
2x10/100/1000Base-T and 2x1000Base-X (SFP)
- MAC address limitation per port
- Broadcast Storm Control
- Support IPv4/IPv6

Specifications

VDSL

- ITU-T G.993.2 VDSL2 Standard compliant
- Max. Data Rate :
 - Down/Up: 100 Mbps/100 Mbps
- Max. Service Distance: 3Km (AWG 26)
- UPBO (Upstream Power Back-Off) enable/disable
- DPBO (Downstream Power BackOff) enable/disable
- OLR(On-Line Reconfiguration) function
- ADSL band and U0 band enable/disable
- Amateur Radio (HAM) band enable/disable
- Data channel: Interleave/Fast Channel
- INP, TEQ, Trellis coding

Switching

- Layer 2 Switching (Store and Forward)
- Switching Performance:
 - Full throughput for all ports (Non-blocking)
 - 16 K MAC
 - 4095 VLANs
- IPv4/IPv6
- Multicasting: IGMP snooping, IGMP proxy
- Port based VLAN, Tagged VLAN and Double Tag VLAN (QinQ)
- STP, PVSTP, RSTP
- Link aggregation, LACP
- DHCP relay with Option 82
- Security
 - Packet filtering (Access control list), Port flood guard
 - MAC address limitation per port
 - NetBIOS/NetBEUI/NBT filtering, Private DHCP server packet filtering
 - Dynamic ARP Inspection
- QoS
 - 8 priorities queues per port
 - 802.1p, ToS, DSCP marking/remarking
 - Scheduling : SPQ, WRR, DRR

- Congestion Control
 - HOL Blocking prevention
 - Back pressure, 802.1x

Management

- CLI, Telnet, RMON, SNMP v1/v2/v3
- Remote S/W upgrade via TFTP and FTP
- SSH, RADIUS for secured system access
- Built-in Real-time clock, NTP, Built-in thermometer

System

- Up to 8 subscriber ports
- Uplink Interface:
 - 2 of 10/100/1000Base-T
 - 2 of 1000Base-X (SFP)
- Dimensions: 380(W) x 105(D) x 340(H) mm
- Weight: Max. 5 kg including mounting bracket
- Door open and temperature monitoring

Operation

- Input Power: 110 ~ 220 VAC(+/-20%), 50/60Hz
- Power consumption: 45W Max.
- Operation Temp: -10 °C ~ 60 °C
- Operation Humidity: 0 ~ 90% non condensing

