

OTS-V2124

100Mbps VDSL2 DSLAM with OLR & IPv4/IPv6

The **OTS-V2124** uses VDSL (Very high speed Digital Subscriber Line) technology to deliver high-bandwidth access offers most efficient service such as VoD, IPTV and VoIP to both residential and business customers over existing telephone wiring.

The **OTS-V2124** 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 provides service up to 3km.

The **OTS-V2124** supports **OLR** (online reconfiguration) function which enhances service stability by dynamically adapting the data rate without interrupting service for retraining.

The **OTS-V2124** mountable on the standard 19 inch rack features compact design, easy installation and handy Ethernet LAN configuration capability.

The **OTS-V2124** capable of supporting IPv6 and high performance Layer 2 switching function provides 24 VDSL subscriber ports and 1 or 2 of various optional uplinks such as 10/100/1000Base-T, 100Base-Fx(SFP), 1000Base-X (SFP) and GEAPON interfaces. It also provides an Ethernet port and a console port for management purpose.

The **OTS-V2124** supports such additional Layer 2 functions as STP (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-V2124** 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)
- Service distance: up to 3Km (AWG 26)
- 24 Subscriber ports
- UPBO (Upstream Power BackOff) function
- DPBO (Downstream Power BackOff) function
- OLR(On-Line Reconfiguration) function
- Radio Band Notching function
- U0, ADSL, ISDN band filtering
- Built-in low attenuation voice splitter(Optional POTS and ISDN)
- High Performance Layer 2 Ethernet switching
- STP, PVSTP, RSTP
- Link aggregation, LACP
- Port based VLAN and Tagged VLAN (802.1Q)
- 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
- Various uplink interfaces:
 - 10/100/1000Base-T, 100Base-Fx(SFP), 1000Base-X(SFP), GEAPON
- Full front access structure for easy installation and Maintenance.
- 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
- 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
- SSH, RADIUS for secured system access
- Remote S/W upgrade via TFTP and FTP
- Built-in Real-time clock, NTP, Built-in thermometer, Fan status monitoring

System

- Up to 24 subscriber ports
- Uplink Interface:
 - Fixed 2 ports 10/100/1000Base-T(Optional)
 - 2 ports of 100Base-FX(SFP), 1000Base-X(SFP), 10/100/1000Base-T or 1 port GE PON
- Dimensions: 445(w) x 280(d) x 66(h) mm
- Front Access Structure
- Built-in Splitter, Surge protection circuit, power, fan and thermometer
- Remote power reset
- Auto FAN on/off control

Operation

- Input Power: 110~220 VAC(+/-20%) 50/60Hz
- Power consumption: max. 75 W Max.
- Operation Temp: -20 °C ~ 60 °C
- Operation Humidity: 0 ~ 90% non condensing
- Noise: max. 40dBA

