

OPL-SWM2-DCG0208P

L2 Managed Switch 8 x 10/100/1000M PoE ports, 2 x 100/1000M SFP



Общие сведения

OPL-SWM2-DCG0208P - это интеллектуальный PoE-коммутатор уровня доступа нового поколения, предназначенный для операторских IP MAN и корпоративных сетей. Основанный на высокопроизводительном оборудовании и платформе нового поколения, он поддерживает такие функции, как ACL, QinQ и QoS. Его простой режим управления и гибкая установка могут удовлетворить требования любых сложных сценариев.

Features

VLAN: 4K Active VLAN, QinQ & Selective QinQ, GVRP, Private VLAN, Voice VLAN

Spanning Tree: 802.1D (STP) 802.1W (RSTP) and 802.1S (MSTP) BPDU guard, root guard and loopback guard

Multicast: IGMP v1/v2/v3, IGMP Snooping, IGMP Fast Leave, MVR, IGMP filter

IP: Static route, RIP, OSPF, 512 routing table, IPv4/v6 dual stack, DHCP Server/Client/Relay

QoS: CAR, HQoS, MAC/IP/TCP/UDP/ VLAN/COS/DSCP/TOS based QoS, 802.1P/DSCP priority re- labeling, SP, WRR, and “SP+WRR”, Tail-Drop, WRED, flow monitoring and traffic shaping

Security: Port isolation, Port security, “IP+MAC+port” binding, MAC sticky . DHCP Snooping and option 82,DAI & IP source guard, PPPoE+. IEEE 802.1x, Radius and Tacacs+ L2/L3/L4 ACL flow identification and filtration. Anti-attack from DDoS, 'TCP's SYN Flood, UDP Flood, etc. Broadcast/ multicast/unknown unicast storm-control. MD5, SHA-256, RSA-1024, AES256, etc.

Reliability: Static/LACP link aggregation, Interface backup EAPS and ERPS , ISSU.

Management: Console, Telnet, SSH v1/2, HTTP, HTTPS SNMP v1/v2/v3, RMON TFTP, FTP, SFTP NTP ZTP(Zero Touch Provisioning), SPAN, RSPAN

Environment: Operating temperature/humidity: -10°C +50°C ,10%-90% non-condensing ,
Storage temperature/humidity: -20°C +70°C , 5%-90% non-condensing

Accessories: Power cord, rackmount kits, console cable, anti-slipping pad

Certification: CE, FCC, ROHS

Characteristics

Carrier-Level Ethernet Access Switch

- The carrier-level Ethernet-ring protection protocol with less than 50ms recovery time, STP/RSTP/MSTP, backup uplink ports, and LACP link aggregation to cater to the requirements of high reliability of carriers;
- Has powerful ACL functions to access and control L2-L7 data based on physical port, providing carriers flexible and various policy control methods;
- In-Service Software Upgrade (ISSU) to ensure the unremitting data forwarding during system upgrade;
- Various L2 multicast functions such as IGMP-snooping, fast-leave and MVR to fully meet the operation requirements of carrier's IPTV.

Intelligent PoE+

- IEEE 802.3AF/AT PoE standard, and power mapping scales up to a maximum of 370W of PoE+ power;
- Supports PoE non-stop power supply. The PoE+ power is maintained during a switch reload;
- Manual and dynamic PoE power allocation;
- Up to 2KV thunder-proof of the PoE port and power supply;

Enhanced QoS

- Priority retagging and complicated flow classification based on VLAN, MAC, source address, destination address, IP or priority, better streamlining carrier's services.
- Flexible bandwidth control policies, supporting port-/flow-based flow limit ensuring the line speed forwarding of each port.
- Multiple queue schedule algorithms such as SP, WRR and "SP + WRR".

Security+

- Equipment-level security: The advanced hardware infrastructure design realizes the level- based packet schedule and packet protection, prevents DoS-/TCP- related SYN Flood, UDP Flood, Broadcast Storm or large traffic attacks, and supports level - based command line protection, endowing different levels of users with different management permissions.
- Perfect security authentication mechanisms: IEEE 802.1x, Radius and Tacacs+.
- Storm/multicast/unicast limit, ensuring the normal running of equipment in harsh network conditions.
- Perfect ring detection mechanism, ensuring the long-term stable running of network.
- Port isolation within the same VLAN, DHCP-Snooping, and IP + MAC + Port binding.

Easy Management and Maintenance

- Many management modes such as the CLI, Telnet, SSH, SSL and SNMP.
- The WEB management mode, which is easy and efficient for installing and debugging the device.
- Supports FTP, TFTP and SFTP.
- ISSU (In-Service Software Upgrade).
- SNMP and NMS smart network management platform. The combination realizes automatic equipment discovery, network topology management, equipment configuration management , performance data statistics and analysis and trouble management.
- Zero Touch Provisioning(ZTP) function to minimize manual operator intervention and helps reduce customers' initial deployment costs.

Specifications

Model No.	OPL-SWM2-DCG0208P
Interface	8xGE PoE ports, 2x100/1000M SFP ports
Console	1 RJ45 port, 1 RST button
Backplane	20 Gbps
Forwarding rate	15 Mpps
PoE power budget	130W
Total output BTU (1000BTU/H=293W)	511.95
Fan number	/
Noise@25° C(dBA)	0
MTBF(H)	>50,000
Forwarding mode	Store-forward
Flash (MB)	16
DRAM (MB)	128
MAC	8K
Buffer size(MB)	4.1
Jumbo frame	9K
Total SVI	10
Power supply	AC:100V-240V, 50/60Hz, 150W
Power consumption	
No-load	<7W
Full-load	142.5W
Chassis	
Dimensions(W x D x H)(mm)	280x180x44
Weight(KG)(empty)	1.6
Package	
Dimensions(W x D x H)(mm)	346x289x92
Weight(KG)	2.4

Optical Modules**100M Optical Modules**

OPL-SFP-SX-1310	100M SFP multi-mode (2Km, 1310nm, LC, DDM)
OPL-SFP-LX-15	100M SFP single-mode (15Km, 1310nm, LC, DDM)
OPL-SFP-LX-40	100M SFP single-mode (40Km, 1310nm, LC, DDM)
OPL-SFP-ZX-80	100M SFP single-mode (80Km, 1550nm, LC, DDM)
OPL-SFP-LX-SM1310/1550-20BIDI	100M SFP single-mode, single fiber (20Km, TX1310/RX1550, LC, DDM) 100M SFP single-mode, single fiber (20Km, TX1550/RX1310, LC, DDM)
OPL-SFP-LX-SM1310/1550-40BIDI	100M SFP single-mode, single fiber (40Km, TX1310/RX1550, LC, DDM) 100M SFP single-mode, single fiber (40Km, TX1550/RX1310, LC, DDM)
OPL-SFP-LX-SM1310/1550-80BIDI	100M SFP single-mode, single fiber (80Km, TX1310/RX1550, LC, DDM) 100M SFP single-mode, single fiber (80Km, TX1550/RX1310, LC, DDM)

GE Optical Modules

OPL-GSFP-TX-B	GE-SFP single-to-RJ45 module
OPL--OT-GMM8-05	Gigabit SFP multi-mode, 500m, 850nm, LC, DDM
OPL-OT-G3-10	Gigabit SFP single mode, 10km, 1310nm, LC, DDM
OPL-OT-G3-20	Gigabit SFP single mode, 20km, 1310nm, LC, DDM
OPL-OT-G3-40	Gigabit SFP single mode, 40Km, 1310nm, LC, DDM
OPL-OT-G5-80	Gigabit SFP single mode, 80Km, 1550nm, LC, DDM
OPL-OT-G5-120	Gigabit SFP single mode, 120km, 1550nm, LC, DDM
OPL-OT-GBD35-10	Gigabit SFP Bidi, 10km, Tx1310/Rx1550, LC, DDM
OPL-OT-GBD53-10	Gigabit SFP Bidi, 10km, Tx1550/Rx1310, LC, DDM
OPL-OT-GBD35-20	Gigabit SFP Bidi, 20km, Tx1310/Rx1550, LC, DDM
OPL-OT-GBD53-20	Gigabit SFP Bidi, 20km, Tx1550/Rx1310, LC, DDM
OPL-OT-GBD35-40	Gigabit SFP Bidi, 40km, Tx1310/Rx1550, LC, DDM
OPL-OT-GBD53-40	Gigabit SFP Bidi, 40km, Tx1550/Rx1310, LC, DDM
OPL-OT-GBD45-80	Gigabit SFP Bidi, 80km, Tx1490/Rx1550, LC, DDM
OPL-OT-GBD54-80	Gigabit SFP Bidi, 80km, Tx1550/Rx1490, LC, DDM
OPL-OT-GBD45-120	Gigabit SFP Bidi, 120km, Tx1490/Rx1550, LC, DDM
OPL-OT-GBD54-120	Gigabit SFP Bidi, 120km, Tx1550/Rx1490, LC, DDM

Информация для заказа

Модель	Описание
OPL-SWM2-DCG0208P	Ethernet PoE switch with 8 GE PoE ports, 2 × 100/1000M SFP ports, 1 console port, 1 standard AC220V power supply, 150W, fanless, 1U, rack-mounted installation