OPL

Lanbras

Коммутатор OPL-SWM2-DCG0208P

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

Описание

OPL-SWM2-DCG0208P - это интеллектуальный коммутатор доступа PoE нового поколения, разработанный для IP-сетей операторов связи и корпоративных сетей. Он основан на высокопроизводительном оборудовании и платформе нового поколения и поддерживает такие функции, как ACL, QinQ и QoS. Его простой режим управления и гибкая установка позволяют удовлетворить требования любых сложных сценариев.

Особенности

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

Параметры

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.

Спецификация

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	511.95

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BTU (1000BTU/H=293W)

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

Информация для заказа

P/N	Description
Коммутатор OPL-SWM2-DCG0208P	Коммутатор Ethernet PoE с 8 портами GE PoE, 2 портами SFP×100/1000 M, 1 консольным портом, 1 стандартным источником питания 220 В переменного тока, 150 Вт, без вентилятора, 1U, для монтажа в стойку