

Коммутатор OPL-SWM2R-10G0416C08-2HAC-L

Layer 2+ Managed Switch 16x100/1000M SFP, 8*1G SFP/RJ45 Combo + 4*1G/2.5G/10G SFP+, With hot-swapped PSU



Описание

OPL-SWM2R-10G0416C08-L - это управляемый гигабитный коммутатор уровня L2+. Коммутаторы этой серии обеспечивают полный гигабитный доступ и непревзойденную масштабируемость до производительности 10G. Он обеспечивает высокую производительность, статическую маршрутизацию уровня 3 с пропускной способностью 128 Гбит/с. Всестороннее обеспечение качества обслуживания, а также гибкое и расширенное управление и настройки безопасности, что позволяет удовлетворить требования к высокой скорости, безопасности и интеллектуальности корпоративных сетей малого и среднего размера по разумной цене. Мощные функции сетевой безопасности также позволяют эффективно управлять трафиком данных для интернет-провайдеров и корпоративных приложений VoIP, потоковой передачи видео и многоадресной рассылки.

Они поддерживают резервный источник переменного тока с горячей заменой, который не повлияет на нормальную работу коммутатора, специально разработанного для удовлетворения потребностей высокотехнологичных объектов, требующих максимальной надежности электропитания. Коммутатор также обеспечивает обнаружение неисправностей и аварийную сигнализацию для питания и вентиляторов. Скорость вращения вентилятора автоматически регулируется в зависимости от изменения температуры, чтобы лучше адаптироваться к различным условиям эксплуатации.

Особенности

- 4*1G/2.5G/10G SFP+ ports uplink, 16*100/1000M SFP ports + 8*1G SFP/RJ45 COMBO ports downlink, 1*RJ45 console interface and 1* USB port for switch basic management and setup
- Offer 1+1 power module redundancy (AC, DC are optional)
- Automatic power and fan status monitoring and alarming mechanisms
- Automatic fan speed adjustment based on the change in temperature

- Self-protection mechanisms that protect power supply against overcurrent, overvoltage, and overtemperature conditions
- Layer 3 features: Support IPv4/IPv6 static routing, DHCP server
- Port aggregation: Supports GE ports, 2.5GE and 10GE port aggregation, static and dynamic aggregation
- VLAN : Supports access, trunk, hybrid mode and VLAN classification, including the Mac based VLAN, IP based VLAN and protocol based VLAN
- QinQ: Supports port-based, VLAN-based and flow-based QinQ
- Port Mirroring: Many to one port mirroring
- Layer 2 ring network protocol: Supports STP, RSTP, MSTP, G.8032 ERPS protocol, single ring, sub ring
- Multicast: Supports IGMP snooping
- QoS: QoS class, remarking, Supports SP, WRR queue scheduling, Ingress/Egress port-based rate-limit and policy-based QoS
- Security: Support Dot1x, port authentication, mac authentication, RADIUS service; Support port-security, ip source guard, IP/Port/MAC binding, arp-check and ARP packet filtering for illegal users and port isolation
- Management : Supports LLDP, user management and login authentication; SNMPV1/V2C/V3; web management, HTTP1.1, HTTPS; Syslog and alarm grading; RMON (Remote Monitoring) alarm, event and history record; NTP, temperature monitoring; Ping、Tracert and optical transceiver DDM function; Supports TFTP Client, Telnet Server, SSH Server and IPv6 Management
- Firmware update, configure backup/restore through Web GUI, FTP and TFTP

Спецификация

Model No.	OPL-SWM2R-10G0416C08-2HAC-L
Fixed Port	16x10/100/1000M SFP, 4x1G/2.5G/10G SFP+, 8x1G SFP/RJ45 Combo
Management Port	1*RJ45 Console port (115200,8,N,1),
USB port	1* USB2.0
OOB port	1*OOB port for Ethernet management
Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Ethernet IEEE 802.3ab 1000Base-T Ethernet IEEE 802.3z 1000Base-X Ethernet IEEE802.3x Flow Control and Back Pressure IEEE 802.1D Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.1Q VLAN ITU-T G.8032 ERPS IEEE 802.1X Port Authentication Network Control IEEE 802.1ab LLDP IEEE 802.3ad LACP
LED Indicators	
PWR (Power Indicator)	Off: the device is power off or failed; On: the device power on is normal
SYS (System Status Indicator)	Blinking: device initialization; On: device on normal operation

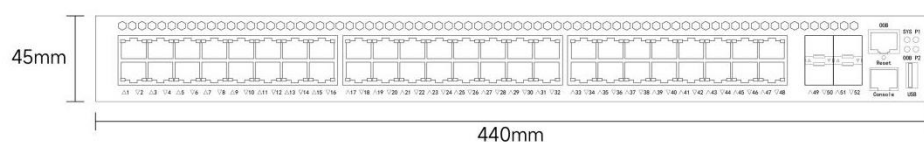
USB (USB status indicator)	Off: USB flash drive not insert or not detected by device
	On: USB flash drive is detected by device
	Blinking: the device is reading and writing the data from USB flash drive
1-8 (Combo ports indicators) Green	Off: ports link down; On: ports link up; Blinking: data on TX/RX
9-28 (Fiber ports indicators) Green	Off: ports link down; On: ports link up; Blinking: data on TX/RX
Power Parameter	
Input Voltage	AC100 ~240V, 50/60Hz
Power Supply solt	2
Maximum power consumption	Full loading ≤35W
Fans	3*fans, support automatic fan speed adjustments
Over-current protection	Support
Layer 2 Functions	
Port Aggregation	Support GE port aggregation
	Support 2.5GE aggregation
	Support 10GE aggregation
	Support static aggregation
	Support LACP dynamic aggregation
	Up to 64 aggregation groups and up to 8 ports per group
Port Features	Support IEEE802.3x flow control,
	Support interface counters,
	Support port isolation, port mirroring (One-to-One, Many-to-One)
	Support loop detection (Port-based; VLAN-based)
	Support broadcast storm suppression (broadcast; unknown multicast; unknown unicast)
Mac-Address Table Management	Support static Mac-address management
	Support dynamic Mac-address Management
	Support filtering Mac-address
	Support MAC limit based on port and VLAN
	Support MAC flapping based on port and VLAN
VLAN	Support access mode; Support trunk mode; Support hybrid mode
VLAN classification	Mac Based VLAN; IP Based VLAN; Protocol Based VLAN
GVRP	Normal mode; Fixed mode; Forbidden mode
QinQ	Port-based QinQ
	VLAN-based QinQ (VLAN-stacking; VLAN-mapping)
	Flow-based QinQ

LLDP	LLDP (Link Layer Discovery Protocol)
Ring Network Protocol	Support IEEE802.1D-STP Support IEEE802.1W-RSTP Support IEEE802.1S-MSTP Support G.8032 ERPS protocol, single ring, sub-Ring and major ring Recovery time ≤20ms
L2 Multicast	
IGMP Snooping	Support IGMP snooping
Group Address	Support group address
Security Functions	
ACL	IP Standard ACL MAC extend ACL IP extend ACL IPv6 ACL
QoS	Support QoS Class, remarking Support SP, WRR queue scheduling Ingress port-based rate-limit Egress port-based rate-limit Support policy-based QoS
802.1x	Port access control Mac-address access control RADIUS server
Port-Security	Port-security
IP Source Guard	IP Port/MAC binding
ARP-check	Support ARP-check and ARP packet filtering for illegal users
Access control	Support Telnet/SSH/HTTP/HTTPS user access control
Management & Maintenance Functions	
User Management	Support password protection Support user authorization management
SNMP	Supporting SNMP V1/V2C/V3 version
Web Management	Web Management Support HTTP V1.1 Support HTTPS
CLI Management	Console/Telnet command line management
RMON	Support RMON (Remote Monitoring) alarm
Firmware Upgrade	Firmware upgrade

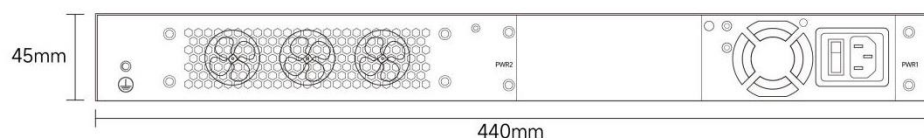
Fault Detection	Ping/Tracerout Support optical transceiver DDM function
Cable Detection	Support copper port cable detection
NTP	Network Time Protocol
Syslog/Debug	Syslog/Debug; Syslog sends to three servers
Configuration Import/Export	Support FTP/TFTP remote import/export
Dual Partition Management	Support dual partition switching
Application Protocol Functions	
DHCP Snooping	DHCP snooping trust port Support remote-id/circuit-id configuration DHCP option-82
DHCP Client	Support DHCP client
Telnet Server	Support telnet server
Telnet Client	Support telnet client
SSH Server	Support SSH server
TACACS	Support TACACS (the terminal access controller accesses the control system)
sflow	Support network traffic analysis
TFTP	Support TFTP Client
Layer 3 Functions	
ARP	ARP table aging
DHCP Server	
IPv4 / IPv6	static routing
Switching Features	
Switching Capacity	128Gbps
Packet Forwarding Rate	190.4Mpps
MAC Address Table	16K
VLAN	4K
Buffer	12Mbit
Forwarding Delay	<5us
Jumbo Frame	Support 10Kbytes
MDX/MIDX	Support
Watchdog	Support

Mechanical Structure

Installation Method	Desktop; Rack-mount
Dimension (W x D x H)	440x350x44mm
Weight	4.3kg
Operating Environment	
Operating Temperature	0°C~+50°C
Storage Temperature	-10°C~+70°C
Relative Humidity	Operation humidity: 10%-90%RH; Storage humidity: 5%-95%RH
Certification	CE/RoHS/FCC
MTBF	> 100,000 hours

Размеры

Front view



Back view



Side view

Информация для заказа

Наименование P/N	Описание
OPL-SWM2R-10G0416C08-2HAC-L	Layer 2+ managed Ethernet switch with 4*1G/2.5G/10G SFP+ ports + 16*100/1000M SFP ports, 8*1G SFP/RJ45 COMBO ports, dual AC 100-240V hot-swap power supply



<https://www.lanaotek.com>



Specifications & design are subject to change without prior notice.

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