

Коммутатор OPL-SWM2-GC0424PB8-CR-S

Commercial Managed PoE Switch 24x10/100/1000M RJ45 + 4x1G SFP+



Описание

OPL-SWM2-GC0424PB8-CR-S - это гигабитный коммутатор PoE с управлением L2+, оснащенный портами PoE+ 24x10/100/1000 М и комбинированными портами 4x1G. Как устройство с питанием по технологии PoE, оно может автоматически обнаруживать и подавать питание на подключенные устройства, такие как беспроводные точки доступа, IP-камеры, IP-телефоны и промышленные датчики, по сетевому кабелю, что делает его идеальным для сетей с высокой плотностью PoE. Он широко применяется в телекоммуникациях, промышленных системах, энергетике, горнодобывающей промышленности, и проектах в области зеленой энергетики. Коммутатор поддерживает широкий спектр конфигураций прикладных служб, включая управление сетями Web, CLI и SNMP, управление питанием PoE, управление потоком портов, конфигурацию VLAN и протоколы STP/RSTP, для удовлетворения разнообразных сетевых потребностей.

Параметры

- Порты 24x10/100/1000M PoE+, 4x1G combo
- Потребляемая мощность: 100-240V AC 50-60Hz Max 825W
- Порты 1-8 поддерживают IEEE802.3af/at/bt
- Встроенный блок питания 825W

Спецификация

Downlink Port	24*10/100/1000Base-TX PoE port (Data/Power) 4*10/100/1000M RJ45(COMBO)
Uplink Port	4*100/1000M SFP(COMBO)
Console Port	1
PoE Ports	1-8 port supports IEEE802.3af/at/poe++/bt, max 90W PoE out 9-24 port supports IEEE802.3af/at, max 30W/port, PoE out
Reset Key	1
PoE Pin	af/at/bt: 12+ 45+ ; 36- 78- af/at: 12+ 36-
PoE budget	Max .800W
CPU	500MHz
DDR	1G DDR3
FLASH	128MBytes
RAM	128MBytes
Bandwidth	56G/128Gbps
Packet Forwarding	41.67Mpps
MAC	8K
Buffer	4.1 Mbit SRAM Packet Buffer
Jumbo Frame	10000Bytes
VLAN Address	4K
Transmission Distance	10BASE-T : Cat3,4,5 UTP(\leq 250 meter) 100BASE-TX : Cat5 or later UTP(150 meter) 1000BASE-TX : Cat6 or later UTP(150 meter) SFP: 1000M single and multimode optical module with maximum distance \leq 120km (depending on the optical module)
LED Indicator	PWR:Power LED SYS:System LED 1-24:10/100、1000M Network connection indicator 25-28:10/100、1000M Network connection indicator
Power	Built-in power AC: 100-240Vac 50-60Hz max 825W
Operating Temperature/Humidity	-10~+55° C; 5%~90% RH Non coagulation
Storage Temperature/Humidity	-40~+75° C; 5%~95% RH Non coagulation
Lightning Protection Level	6KV 8/20us; 8KV ESD; IP30

Product Size (L x W x H)

N.W.

Installation Rack-mount (optional machine hanger spare parts)

L2+ Features

Port Speed Support autonegotiate, full-1000, full-100, half-100, full-10, half-10

Flow Control support full-duplex IEEE 802.3x, half-duplex back pressure

Storm Control Supports rate limit for broadcast, multicast, and DLF packets

Storm Constrain Support the detection of broadcast packets, multicast packets, or unicast packets on the port, shutdown the port if the rate is over the threshold.

Port Mirror Support

Port Rate Limit Support port ingress and egress rate limit

Link Aggregation Support manual link aggregation
Support LACP dynamic link aggregation
Supports up to 8 aggregation groups, each group up to 8 ports
Support source MAC, destination MAC, source destination MAC, source IP, destination IP, source destination IP routing strategy

Port Isolation Support

Jumbo Frame Support up to 16KB packet

Cable Distance Diag Support

Redundant Port Support

The DDM of fiber ports Support

MAC

MAC Table Capacity 8 K

MAC Table Management Support

Forwarding mode Support IVL forwarding mode

Static MAC Address Support

MAC Address Binding Support

MAC Learning Control Control the MAC learning based on port

VLAN

Number of VLANs 4K

802.1q-based VLAN Support

MAC-based VLAN	Support
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IP-based VLAN	Support
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Protocol-based VLAN	Support
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PVLAN	Support
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Voice VLAN	Support
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VLAN Mapping	Support 1:1 mapping
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QinQ	Support basic QinQ Support flexible QinQ
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Reliability

Spanning Tree Protocol	Support STP/RSTP/MSTP
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Port Loop Detection	Support
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EAPS	Support RFC3619
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ERPS	Support G.8032/Y.1344
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LLDP	Support LLDP & LLDP-MED
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UDLD	Fully compatible with CISCO's UDLD protocol
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IP

ARP	Support static and dynamic ARP
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IP Route	Support 0.0.0.0/0 route and other static route, but can't support L3 forwarding
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VLAN Interface	Support 32 VLAN interfaces
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Multicast

Static Multicast Address	MAC Support
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IGMP SNOOPING	Support
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MLD SNOOPING	Support
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MVR	Support
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GMRP	Support
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ACL	Support
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Standard IP-based ACL	Support
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Extended IP based ACL	Support
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MAC IP-based ACL	Support
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MAC ARP-based ACL	Support
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IPv6-based ACL	Support
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ACL Port Filtering	Support
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Time-based ACL	Support
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QOS

Port Queue Number	8
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Port Queue Scheduling Mode	Support WRR, SP, WFQ
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Port-based Classification	Support
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802.1p-based Classification	Support
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DSCP-based Classification	Support
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ACL-based Classification	Support
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QoS Policy	Support packets mapping to queue Support COS or DSCP Remarking Support rate limits of data flow Support data flow statistics Support mirroring of data flow
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DHCP

DHCPv4 Client	Support
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DHCPv6 Client	Support
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DHCP Snooping	Support
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DHCP Relay	Support
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DHCP Server	Support
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DHCP option 82	Support
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Management

CLI Management	Support Console, TELNET and SSH Support multiple TELNET connections based on IPv4 and IPv6
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		Support multiple SSH connections based on IPv4 and IPv6 Support running configuration rollback Support ZTP (Zero Touch Configuration)
WEB Management		Support
SNMP Management		Support SNMP v1, v2c, v3 Support SNMP TRAP Support lots of standard and private MIBs Support SNMP based on IPv4 and IPv6
User Management		Support multiple user management
TACACS+		support switch authentication via TACACS+ server remote username and password Support password encryption in PAP and CHAP mode Support TACACS+ server to authorize the switch's commands Support TACACS+ based on IPv4 and IPv6
Log Management		Support local log management Support SYSLOG based on IPv4 and IPv6
RMON		Support RMON 1, 2, 3 and 9 groups
Cluster Management		Support NDP Support NTDP Support manual and automatic joining of cluster groups Support cluster unified management
OAM		Support 802.3ah Support 802.1ag
Configuration File		Support TFTP transmission based IPv4 and IPv6 Support SFTP transmission based IPv4 and IPv6 Support SFTP Client and SFTP Server
Upgrade software		Support TFTP transmission based IPv4 and IPv6 Support SFTP transmission based IPv4 and IPv6 Support SFTP Client and SFTP Server
Clock Management		Support local clock management Support SNTP based IPv4 and IPv6
Security		
Switch Security	Management	Support enabling and disabling TELNET, SSH, WEB and SNMP services Support TELNET, SSH, WEB and SNMP services to bind to standard IP ACLs Support for limiting the number of TELNET connections
CPU Protection		The switch's own security protection prevents large data streams from attacking the switch itself.
AAA		Support 802.1x Support RADIUS Supports authentication, authorization, and accounting through RADIUS server Support port-based and MAC-based 802.1x Support 802.1x guest VLAN
IP MAC Binding		Support static configuration of IP, MAC and port binding

DHCP SNOOPING

- Support dynamic ARP binding to prevent ARP spoofing
- Support dynamic IP, MAC and port binding
- Support fixed port to connect to DHCP server to prevent private connection to DHCP server

Prevent ARP Spoofing

Support manually configuring MAC ARP-based ACL rules to prevent ARP spoofing. Support the DHCP SNOOPING function. During the process of obtaining an IP address by DHCP, the switch dynamically binds ARP to the port to prevent ARP spoofing.

PoE

Supported PoE chips

MAX5980,LTC4259,LTC4271,TPS23851,TPS23861,TPS23880,TPS23881,IP808,PD69100/69108,PD69200/69208, etc.

Switch Control

Support PoE powering of ports on and off

Power Control

Support setting total power

Other Advanced Features

Support PoE scheduling policy and PD online query, etc.

IPV6

IPv4/IPv6 Dual Protocol Stack

Support

IPv6 Address

Support manual address configuration, stateless address auto-configuration and stateful address configuration obtained through DHCPv6 client

IPv6 Neighbor Discovery

Support

ICMPv6

Support

IPv6 Path MTU Discovery

Support

Debugging

PING

Support

PING6

Support

TRACEROUTE

Support

TELNET Client

Support TELNET client based IPv4 and IPv6

SSH Client

Support SSH client based IPv4 and IPv6

TWAMP

Support TWAMP server and session-reflector

Информация для заказа

Модель	Описание
OPL-SWM2-GC0424PB8-CR-S	Managed PoE Switch 24x10/100/1000M RJ45 POE + 4x1G SFP+(Combo)



<https://www.lanaotek.com>



Specifications & design are subject to change without prior notice.

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