

## Коммутатор

# OPL-SWM2+GC0424-Z

Layer 2+ Managed Ethernet Switch 4x1000Mbps Combo(TP/SFP)

24x10/100/1000Base-T



## Особенности

OPL-SMM2R-GC0424-Z - это управляемый коммутатор уровня L2+ с адаптивными портами RJ45 24x10/100/1000 Мбит/с и комбинированными оптическими интерфейсами 4x1000 Мбит/с. Каждый порт RJ45 поддерживает автоматическое переключение и высокоскоростную переадресацию данных. Используется метод сохранения и переадресации в сочетании с технологией QoS, чтобы обеспечить эффективное распределение полосы пропускания для каждого порта и стабильную и надежную передачу данных.

## Описание

- Поддержка IEEE802.3 / IEEE802.3u / IEEE802.3ab / IEEE802.3z, сохранение и пересылка
- Режим управления потоком: в полнодуплексном режиме используется стандарт IEEE 802.3x, в полудуплексном - стандарт обратного давления
- Поддержка автоматического переключения портов (Auto MDI/MDIX)
- Индикатор на панели, отслеживающий состояние и помогающий анализировать сбои
- Поддержка аутентификации по порту 802.1x, аутентификация по стандарту AAA, аутентификация по стандарту TACACS+
- Поддержка WEB, TELNET, CLI, SSH, SNMP, RMON-управления
- Защита от перенапряжения: Общая 4 кВ, дифференциальная 2 кВ, воздушная ESD 8 кВ, контактная 6 кВ

## Спецификация

### Provider Mode Ports

Fixed Port 4\*1000Mbps Combo (TP/SFP), 24\*10/100/1000 Base-T

Management Port Support Console

Power Interface AC triangular seat

LED Indicators PWR, SYS, Link/ACT LED

### Cable Type & Transmission Distance

Twisted-pair 0-100m (CAT5e, CAT6)

Mono-mode Optical Fiber 20/40/60/80/100KM

Multi-mode Optical Fiber 550m

### Network Topology

Ring Topology Support

Star Topology Support

Bus Topology Support

Tree Topology Support

Hybrid Topology Support

### Electrical Specifications

Input Voltage AC100~240V, 50/60Hz

Total Power Consumption ≤20W

### Layer 2 Switching

Switching Capacity 56Gbps

Packet Forwarding Rate 41.616Mpps

MAC Address Table 8K

Buffer 4.1M

Forwarding Delay <10us

VLAN 256

GVRP Support

Protocol VLAN Support

Voice VLAN Support

Surveillance VLAN Support

MAC VLAN Support

|                                    |            |
|------------------------------------|------------|
| Ethernet Channel/ 802 .3ad         | Support    |
| LACP                               | Support    |
| Interface Speed                    | Support    |
| Duplex Mode                        | Support    |
| Flow Control                       | Support    |
| Jumbo Frame                        | Support    |
| DHCP Client                        | Support    |
| SNTP Client                        | Support    |
| Port Statistics                    | Support    |
| Protected Ports                    | Support    |
| EEE                                | Support    |
| Ethernet Ring Protection Switching | Support    |
| LLDP                               | Support    |
| LLDP 802.1 TLV                     | Support    |
| MSTP / RSTP / STP                  | Support    |
| STP BPDU Filter                    | Support    |
| STP BPDU guard                     | Support    |
| STP Port Fast                      | Support    |
| IGMP Snooping                      | Support    |
| MLD Snooping                       | Support    |
| MVR                                | Support    |
| DHCP Interface Priority IP Binding | Support    |
| Device Scan                        | Support    |
| <b>Layer 3 Route</b>               |            |
| IPV4 Management Address            | Support    |
| IPV6 Management Address            | Support    |
| Static Routes IPv4                 | Support 32 |
| Static Routes IPv6                 | Support 32 |
| ARP                                | Support    |
| Loopback Interface                 | Support    |
| DHCP Server                        | Support    |
| DNS Server                         | Support    |

|   |   |
|---|---|
| DNS Client  | Support   |
| <b>Convergence &amp; Equipment Diagnosis</b>      |   |
| ACL   | Support MAC standard/expand ACL<br>Support IPv4 standard/expand ACL<br>Support IPv6 standard/expand ACL   |
| QoS   | Support QoS re-marking, port trust<br>Support port rate limiting<br>Support egress rate-limited<br>Support SP, WRR queue scheduling<br>Support COS mapping, DSCP mapping, IP priority mapping   |
| Equipment Diagnosis                               | Support Console/RAM/Flash Log<br>Support Port mirroring 1:1 or 1:M<br>Support Ping<br>Support Trace-route<br>Support Copper test<br>Support Optical transceiver DDM<br>Support UDLD protocol  |
| <b>Management &amp; Security</b>                  |   |
| CLI / Console                                     | Support   |
| RMON  | Support   |
| WEB Management                                    | Support   |
| SNMP  | Support SNMPv1/v2c/v3   |
| User Management                                   | Support   |
| System Log  | Support   |
| Configuration File Download/<br>Upload Telnet/SSH | Support   |
| Upgrade Firmware                                  | Support   |
| Security  | Support managing channel configuration<br>Support AAA/802/1X/MAC-Based/WEB-Based authentication<br>Support DoS attack prevention<br>Support dynamic ARP check<br>Support DHCP Snooping<br>Support IP Source Guard<br>Support port Security<br>Support port Isolation<br>Support storm control |
| <b>Environment</b>                                |   |
| Operating Temperature                             | -10°C~+50°C   |

|                     |   |
|---------------------|---|
| Storage Temperature | -40°C~+70°C                               |
| Relative Humidity   | 10%~90% (non-condensing)                  |
| Thermal Methods     | Fan-less design, natural heat dissipation |
| MTBF                | 100,000 hours                             |

**Mechanical Dimensions**

|                     |              |
|---------------------|--------------|
| Product Size        | 440*280*44mm |
| Installation Method | Rack mount   |
| Weight              | 3.6KG        |

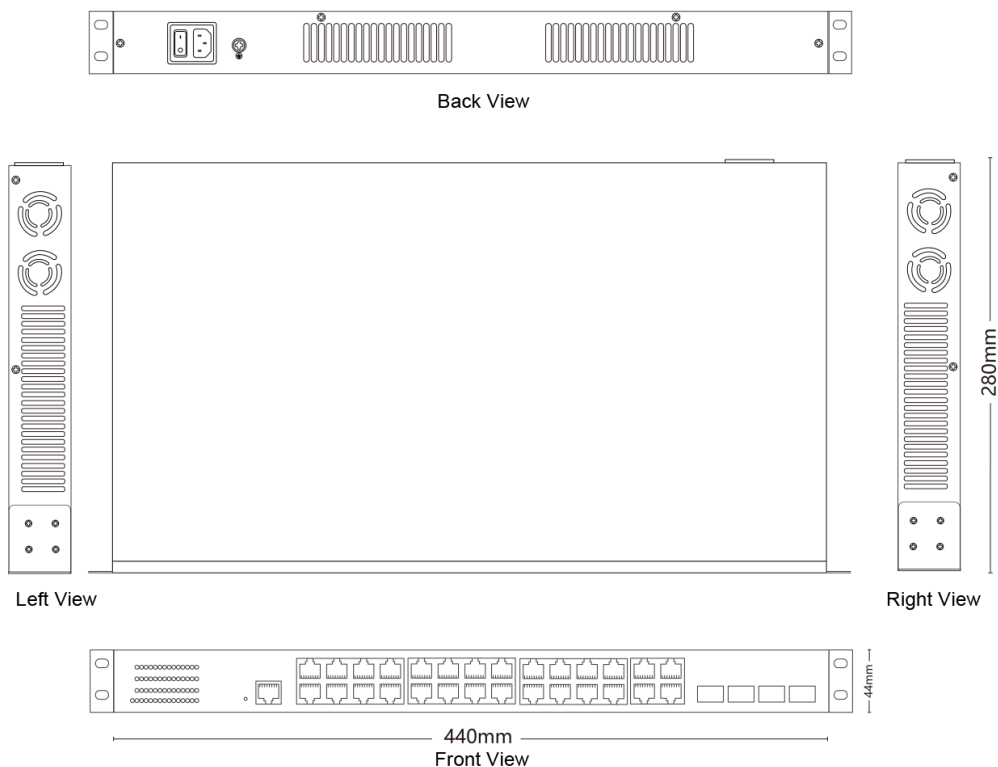
**EMC & Ingress Protection**

|                                   |                                 |
|-----------------------------------|---------------------------------|
| Surge Protection of Power         | IEC 61000-4-5 Level 4 (6KV/2KV) |
| Surge Protection of Ethernet port | IEC 61000-4-5 Level 4 (4KV/2KV) |
| ESD                               | IEC 61000-4-2 Level 4 (8K/15K)  |
| Free Fall                         | 0.5m                            |

**Certificate**

|                      |               |
|----------------------|---------------|
| Security Certificate | CE, FCC, RoHS |
|----------------------|---------------|

**Размеры**



## Информация для заказа

| Модель             | Описание   |
|--------------------|--|
| OPL-SWM2R-GC0424-Z | Layer 3 Lite Managed Ethernet Switch<br>4x1000Mbps Combo, 24x10/100/1000Base-T |



<https://www.opatov.by>