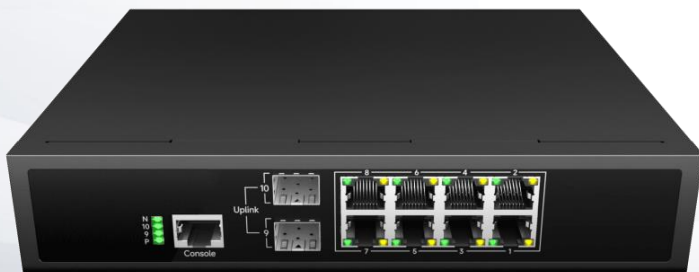


# Коммутатор OPL-SWM2RC-G0208-Z

Layer 2+ Cloud Managed Ethernet Switch 2xGigabit SFP 8x10/100/1000Base-T



## Описание

OPL-SWM2RC-G0208-Z - это управляемый коммутатор (с поддержкой облачного управления) L2+ с адаптивными портами RJ45 8x10/100/1000 Мбит/с и оптическими интерфейсами SFP 2x1000 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.

## Особенности

- ☒ 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, аутентификации по стандарту AAA, аутентификации по стандарту TACACS+
- ☒ Поддержка облачного управления MQTT, WEB, TELNET, CLI, SSH, SNMP, RMON.
- ☒ Защита от перенапряжения: Общая 4 кВ, дифференциальная 2 кВ, воздушная ESD 8 кВ, контактная 6 кВ

## Спецификация

### Provider Mode Ports

Fixed Port 2\*1000Mbps Base-X, 8\*10/100/1000 Base-T

Management Port Support Console

Power Interface AC triangular seat

LED Indicators PWR, Link/ACT LED

### Cable Type & Transmission Distance

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

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

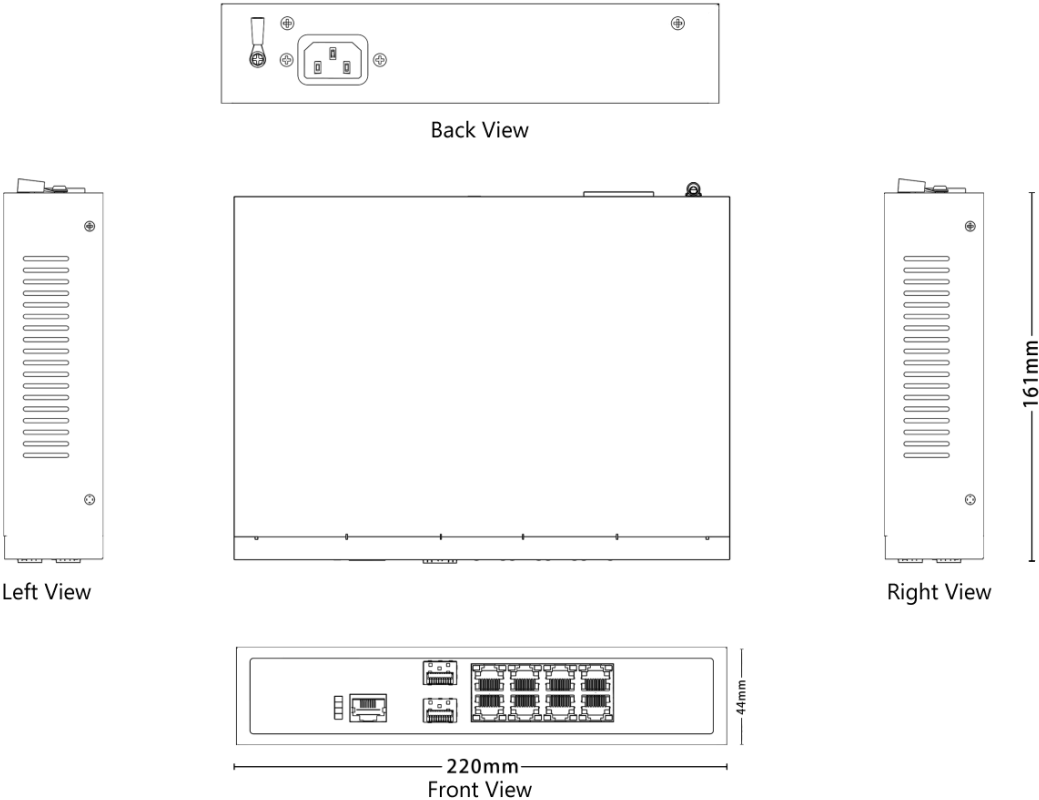
|                                  |                     |
|----------------------------------|---------------------|
| Multi-mode Optical Fiber         | 550m                |
| <b>Network Topology</b>          |                     |
| Ring Topology                    | Support             |
| Star Topology                    | Support             |
| Bus Topology                     | Support             |
| Tree Topology                    | Support             |
| Hybrid Topology                  | Support             |
| <b>Electrical Specifications</b> |                     |
| Input Voltage                    | AC100~240V, 50/60Hz |
| Total Power Consumption          | ≤10W                |
| <b>Layer 2 Switching</b>         |                     |
| Switching Capacity               | 20Gbps              |
| Packet Forwarding Rate           | 14.88Mpps           |
| 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                                                                                                                                                                                       |
| Static Routes IPv6                           | Support                                                                                                                                                                                       |
| 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 |
| <b>Management &amp; Security</b>             |                                                                                                                                                                                               |

|                                                   |                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CLI / Console                                     | Support                                                                                                                                                                                                                                                                                       |
| RMON                                              | Support                                                                                                                                                                                                                                                                                       |
| WEB Management                                    | Support                                                                                                                                                                                                                                                                                       |
| MQTT Cloud Management                             | Support                                                                                                                                                                                                                                                                                       |
| SNMP                                              | Support SNMPv1/v2/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 |
| Equipment diagnosis                               | Support Console/RAM/Flash/port mirroring 1:1 or<br>M:1/Ping/Traceroute/Copper testing/SFP module information/UDLD<br>protocol                                                                                                                                                                 |
| <b>Environment</b>                                |                                                                                                                                                                                                                                                                                               |
| Operating Temperature                             | -10°C~+50°C                                                                                                                                                                                                                                                                                   |
| Storage Temperature                               | -40°C~+85°C                                                                                                                                                                                                                                                                                   |
| Relative Humidity                                 | 10%~90% (non-condensing)                                                                                                                                                                                                                                                                      |
| Thermal Methods                                   | Fan-less design, natural heat dissipation                                                                                                                                                                                                                                                     |
| MTBF                                              | 100,000 hours                                                                                                                                                                                                                                                                                 |
| <b>Mechanical Dimensions</b>                      |                                                                                                                                                                                                                                                                                               |
| Product Size                                      | 220*161*44mm                                                                                                                                                                                                                                                                                  |
| Installation Method                               | Desk-top                                                                                                                                                                                                                                                                                      |
| Weight                                            | 0.97KG                                                                                                                                                                                                                                                                                        |
| <b>EMC &amp; Ingress Protection</b>               |                                                                                                                                                                                                                                                                                               |
| 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 P/N                    | Описание                                                                 |
|-------------------------------|--------------------------------------------------------------------------|
| Коммутатор OPL-SWM2RC-G0208-Z | Коммутатор с облачным управлением L2+ 2x1000Base-X, 8x10/100/1000 Base-T |