

LA-SWM2R-G0424-AC5L

Layer 2+ Managed Switch 24x10/100/1000M RJ45, Uplink 4x1G/2.5G SFP



Overview

LA-SWM2R-G0424-AC5L is a highly reliable Layer 2+ managed Ethernet switch featuring 24x10/100/1000M RJ45 ports and 4x1G/2.5GBase-X SFP ports. This switch offers comprehensive end-to-end QoS and a range of flexible management and security settings, making it an ideal solution for small to medium-sized enterprise networks that require high speed, security, and intelligence at a cost-effective price. It supports G.8032 ERPS, MSTP/RSTP/STP redundancy technologies, IPv4/IPv6 static routing, a DHCP server, and robust Layer 2 management and security functions. These features ensure effective data traffic control for ISPs and enterprises, supporting applications such as VoIP, video streaming, and multicast.

Features

- 24x10/100/1000M RJ45 + Uplink 4x1G/2.5G SFP, 1*RJ45 console port
- Layer 3 features: Support IPv4/IPv6 static routing, DHCP server
- Layer 2 features: VLAN; ERPS, STP/RSTP/MSTP; Link aggregation, IGMP snooping, port mirroring, QinQ, 802.1X, port isolation, RMON, NTP client, DHCP snooping/client, Ping/Tracert test, ACL, QoS and SFP DDM function
- Management and maintenance: IPv4 and IPv6 management; Support Web, SNMP, CLI, Telnet/SSH management method; Support user management, system log, configuration upload/download through web interface, firmware upgrade via HTTP/TFTP
- Support G.8032 ERPS protocol, recovery time $\leq 20\text{ms}$
- Support 4KV Power surge protection, IEC 61000-4-5 Level X (8/20us)
- Support 4KV Ethernet ports surge protection, IEC 61000-4-5 Level 4 (10/700us)
- Support fan speed control
- Operation temperature: $0\text{ }^{\circ}\text{C} \sim +50\text{ }^{\circ}\text{C}$

Specifications

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|--|---|
| Model No. | LA-SWM2R-G0424-AC5L |
| Fixed Port | 24x10/100/1000M RJ45, 4x1G/2.5G SFP |
| Management Port | 1xRJ45 Console port (115200, 8, N, 1) |
| 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 |
| 1-24 (Copper Ports Indicators) Green | Off: ports link down; On: ports link up; Blinking: data on TX/RX |
| 1-24 (Copper speed indicators) Yellow | Off: ports on 10/100M; On: ports on 1000M |
| 25-28 (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 |

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| Total Power Consumption | Full loading≤24W |
| 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 | |

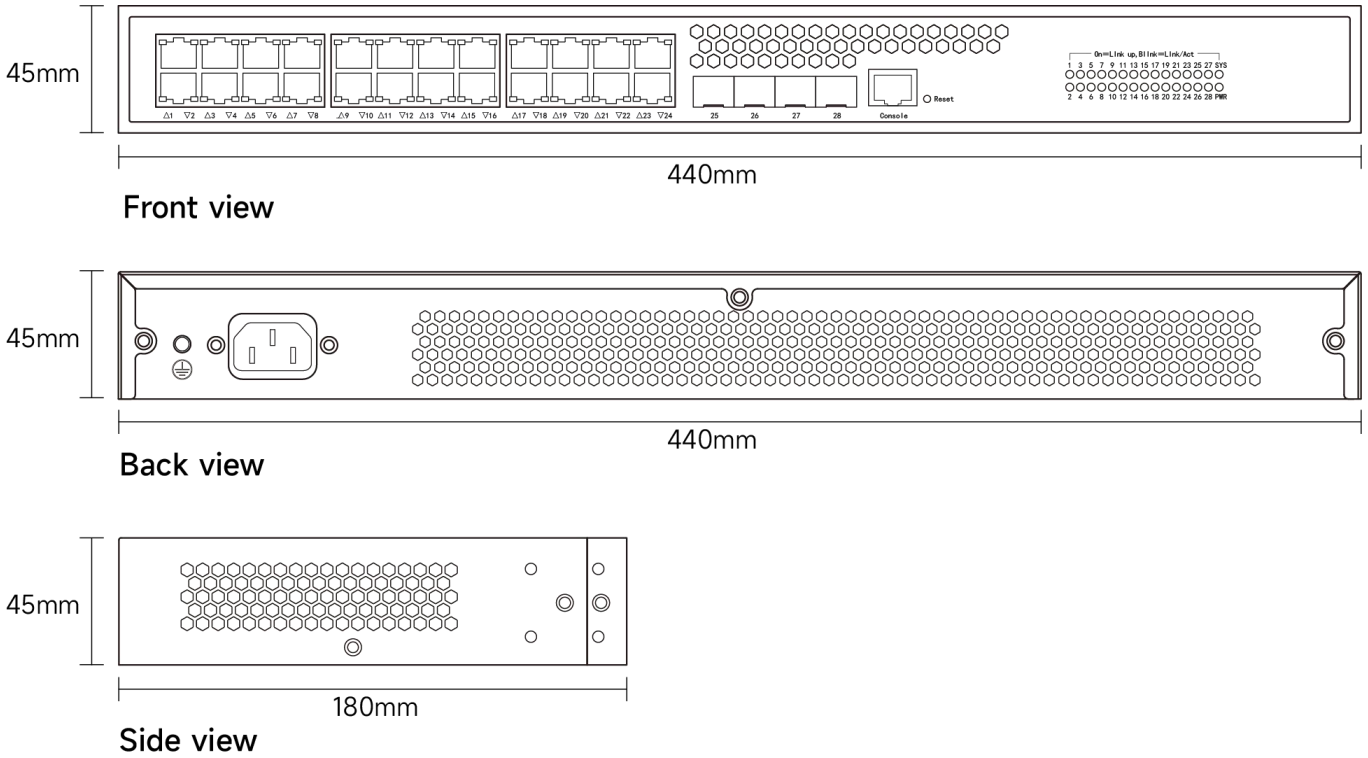
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|---|---|
| ACL | IP Standard ACL MAC extend ACL IP extend ACL IPv6 ACL |
| QoS | Support QoS Class, remarking Support SP, WRR queue scheduling Ingress port-based rate-limit Egress port-based rate-limit Support policy-based QoS |
| 802.1x | Port access 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 | |

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| 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 | 68Gbps |
| Packet Forwarding Rate | 101Mpps |
| 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) | 440x180x45mm |
| Weight | 2.77kg |
| 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


Dimension



Ordering Information

| P/N | Description |
|---------------------|---|
| LA-SWM2R-G0424-AC5L | L2+ Managed Ethernet switch 24x10/100/1000M RJ45, Uplink 4X1G/2.5G SFP ports AC100~240V Input |



<https://www.lanaotek.com> 

Specifications & design are subject to change without prior notice.

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