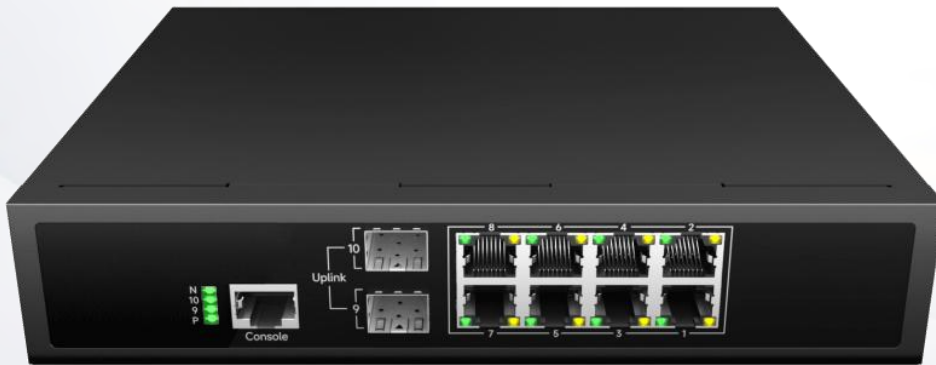


# LA-SWM2R-G0208-Z

Layer 3 Lite Managed Ethernet Switch 2xGigabit SFP 8x10/100/1000Base-T



## Overview

LA-SWM2R-G0208-Z is Layer 3 Lite managed switch with 8x10/100/1000Mbps adaptive RJ45 ports and 2x1000Mbps SFP optical interfaces. Each RJ45 port supports auto-rollover and wire-speed forwarding capabilities. The store-and-forward method is used, combined with QoS technology, to ensure that bandwidth is effectively allocated to each port and provides stable and reliable data transmission.

## Features

- Support IEEE802.3/IEEE802.3u/IEEE802.3ab/IEEE802.3z, store-and-forward
- Flow control mode: full-duplex adopts IEEE 802.3x standard, half-duplex adopts Back pressure standard
- Support port auto flip (Auto MDI/MDIX)
- Panel indicator monitoring the status and help failure analysis
- Support 802.1x port authentication, support AAA authentication, support TACACS+ authentication
- Support WEB, TELNET, CLI, SSH, SNMP, RMON management
- Surge Protection: General 4KV, Differential 2KV, ESD 8KV air, 6KV contact

## Specifications

### 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

### 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	≤10W

### Layer 2 Switching

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 Support IPv4 standard/expand ACL Support IPv6 standard/expand ACL
QoS	Support QoS re-marking, port trust Support port rate limiting Support egress rate-limited Support SP, WRR queue scheduling Support COS mapping, DSCP mapping, IP priority mapping
Equipment Diagnosis	Support Console/RAM/Flash Log Support Port mirroring 1:1 or 1:M Support Ping Support Trace-route Support Copper test Support Optical transceiver DDM 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/ Upload Telnet/SSH	Support
Upgrade Firmware	Support
Security	Support managing channel configuration Support AAA/802/1X/MAC-Based/WEB-Based authentication Support DoS attack prevention Support dynamic ARP check Support DHCP Snooping Support IP Source Guard Support port Security Support port Isolation Support storm control
<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

**Mechanical Dimensions**

Product Size	220*161*44mm
Installation Method	Desk-top
Weight	0.97KG

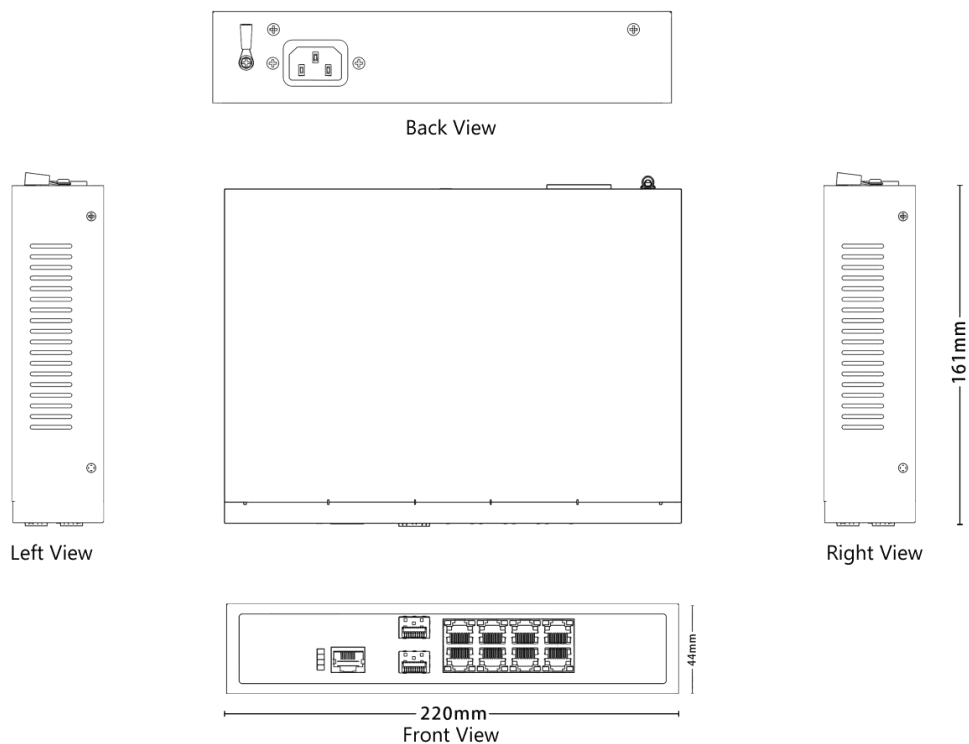
**EMC & Ingress Protection**

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
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**Dimension**



## Ordering Information

P/N	Description
LA-SMM2R-G0208-Z	Layer 3 Lite Managed Ethernet Switch 2x1000Base-X, 8x10/100/1000 Base-T



<https://www.lanaotek.com> 

Specifications & design are subject to change without prior notice.

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