# LMX-3228G-10G-SFP Series

**32-Port Industrial Gigabit Managed Ethernet Switch, with 4*10/100/1000Tx RJ45 Ports, 24*100/1000 SFP Slots, and 4*1G/10G SFP+ Slots**

## Features

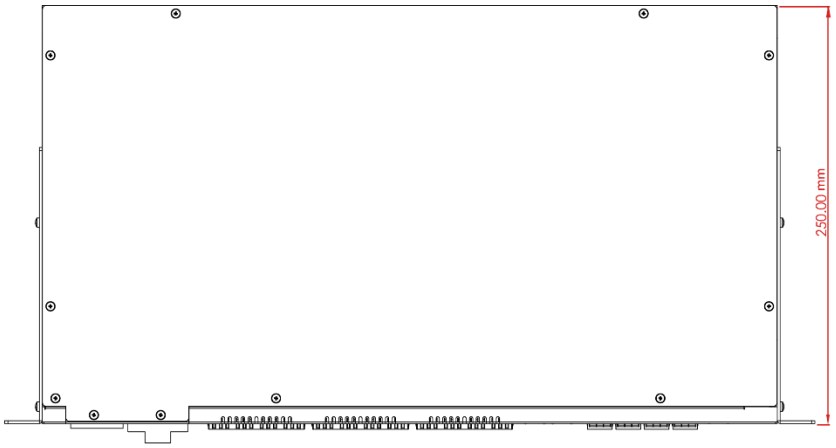
- **Provides 4*10/100/1000 RJ45 Ports, 24*100/1000 SFP Slots, and 4*1G/10G SFP+ Slots**
- **Remote Port Configuration Setting and Statistics Monitoring**
- **Broadcast/Multicast/Unknown Unicast Storm Control**
- **Configuration: Web Console, Telnet, CLI Command**
- **IP Multicast with IGMP Snooping / Query / Fast Leave / Filtering / Group Limited / MVR**
- **QoS (IEEE 802.1p)**
- **IEEE802.1Q VLAN for Easy Network Planning**
- **IEEE802.1X, SNMP v1/v2/v3**
- **Local Syslog Information can be Downloaded**
- **Link Aggregation for More Throughput**
- **Support Port Mirroring for Online Diagnostic**
- **1U Rackmount Design**
- **5-Year Warranty**

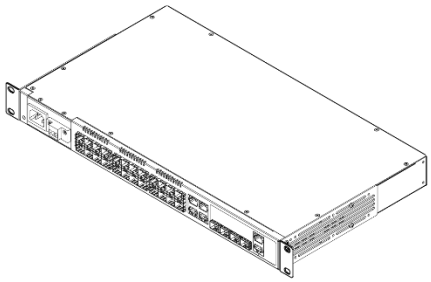
## INTRODUCTION

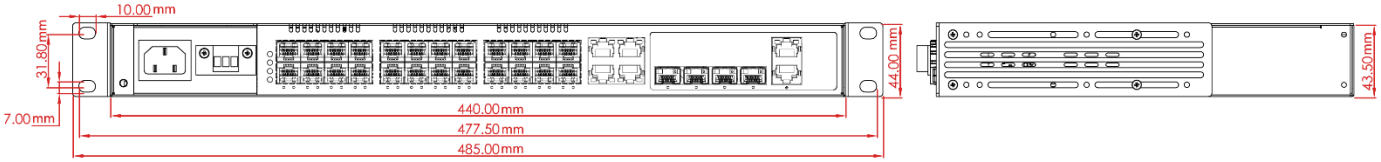
**Antaira Technologies' LMX-3228G-10G-SFP Series** is a 32-port industrial managed Ethernet switch embedded with 24*gigabit SFP slots, 4*10G SFP+ slots, and 4*10/100/1000Tx RJ45 ports. This switch provides VLAN, QoS, and IGMP feature sets, as well as robust security management to facilitate service provider's build out of a manageable and secure network. This series has five different power supply models (single or dual AC / DC) made for different needs in the application.

The LMX-3228G-10G-SFP is designed for rack-mount installation. It is suitable as a backbone fiber aggregation switch. This product is ideal for supporting applications that require high-density port connections, such as security surveillance, traffic monitoring systems, facility management in power/utility, water wastewater treatment plants and oil/gas/mining.

## DIMENSIONS





# SPECIFICATIONS

| Technology | |
|---|---|
| **L2 Switching** | Auto MAC address learning/aging, Per port limited MAC address learning, IEEE 802.1Q static VLAN (4K VLAN groups), Voice VLAN, Port isolation, Private VLAN, MAC based VLAN protocol based VLAN IP subnet based VLAN, IEEE 802.1D STP/802.1w RSTP/802.1s MSTP, IEEE 802.3ad Link Aggregation, static and LACP, BPDU guard and restricted role, Error Disable Recovery, DHCP client, DHCP snooping, DHCP option 82 relay, ARP inspection (256 entries Max.), Port mirroring, RSPAN, IGMP snooping v1,v2,v3 snooping, (1024 groups), IGMP snooping Fast and Immediate leave, IGMP throttling, filtering, and leave proxy, MVR and MVR profile, IPv6 MLD v1/v2 snooping |
| **QoS** | IEEE 802.1p 8 Priority Queues per Port, Port Based priority, Scheduler priority, QoS Control List (256 entries Max.), Storm control for UC, MC, and BC, Per port/per queue based ingress policing and engress shaping, DiffServ (RFC 2474) remarking, Tag remarking |
| **Protocols** | HTTP server, CLI console port, Telnet CLI, Management access filtering, SSHv2 and HTTPS, IPv6 Management, Syslog, Software upload through Web and TFTP, SNMPv1/v2c/v3 Agent, RMON Group 1,2,3, and 9, IEEE 802.1AB-2005 Link Layer Discovery, LLDP, Text Configuration download or upload, Daylight Saving |
| **Security** | Port-based 802.1X, Single 802.1X, Multiple 802.1X, MAC-based authentication, VLAN assignment, QoS assignment, Guest VLAN, RADIUS accounting, MAC address limited learning, TACACS+, Web and CLI authentication and authorization, ACL rules based on L2~L4 information, IP source guard |

| Switch Properties | |
|---|---|
| **Switch Architecture** | Back-Plane (Switching Fabric): 136Gbps |
| **Processing Type** | Store and Forward |
| **Transfer Rate** | 14,880pps for 10Base-T Ethernet<br>148,800pps for 100Base-T Fast Ethernet<br>1,488,000pps for Gigabit Ethernet<br>14,880,000pps for 10 Gigabit Ethernet |
| **Packet Buffer** | 32Mbits |
| **Jumbo Frame** | 10K |
| **MAC Table Size** | 32K |
| **Configuration** | Web Console, CLI |
| **Port Interface** | |
| **Ethernet RJ45 Port** | 4*10/100/1000BaseTx<br>Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection |
| **SFP Port** | 24*100/1000Base Tx SFP slots<br>4*1G/10G SFP+ slots |
| **Wavelength** | Refer to SFP Modules |
| **Mechanical Characteristics** | |
| **LED Indicator** | Per Port: Link/Act (Green: Gigabit, Yellow: 10/100M)<br>Per Unit: Power and System |
| **Housing** | Metal Housing |
| **Dimension** | 440 x 250 x 43.5mm |
| **Weight** | Unit: 7.28 lbs.<br>Shipping: 9.48 lbs. |
| **Mounting** | 1U Rack-Mount |
| **Power Requirement** | |
| **Input Voltage** | Depends on model<br>AC Power Input: 100V~240V<br>DC Power Input: 18 ~ 60VDC |
| **Power Connection** | AC Power Cable |
| **Power Consumption** | 60W Max |
| **Environmental Limits** | |
| **Operating Temperature** | 0°C to 50°C |
| **Storage Temperature** | -25°C ~ 70°C |
| **Ambient Relative Humidity** | 10% to 90%, (non-condensing) |
| **Regulatory Approvals** | |
| **Warranty** | 5 Years |

# ORDERING INFO

| | |
|---|---|
| **LMX-3228G-10G-SFP-AC** | 32-Port Industrial Gigabit Managed Ethernet Switch, with 4*10/100/1000 RJ45 Ports, 24*100/1000 SFP Slots, and 4*1G/10G SFP+ Slots with Single AC Power Supply |
| **LMX-3228G-10G-SFP-DC** | 32-Port Industrial Gigabit Managed Ethernet Switch, with 4*10/100/1000 RJ45 Ports, 24*100/1000 SFP Slots, and 4*1G/10G SFP+ Slots with Single DC Power Supply (-48V) |
| **LMX-3228G-10G-SFP-AA** | 32-Port Industrial Gigabit Managed Ethernet Switch, with 4*10/100/1000 RJ45 Ports, 24*100/1000 SFP Slots, and 4*1G/10G SFP+ Slots with Dual AC Power Supply |
| **LMX-3228G-10G-SFP-DD** | 32-Port Industrial Gigabit Managed Ethernet Switch, with 4*10/100/1000 RJ45 Ports, 24*100/1000 SFP Slots, and 4*1G/10G SFP+ Slots with Dual DC Power Supply (-48V) |
| **LMX-3228G-10G-SFP-AD** | 32-Port Industrial Gigabit Managed Ethernet Switch, with 4*10/100/1000 RJ45 Ports, 24*100/1000 SFP Slots, and 4*1G/10G SFP+ Slots with AC and DC (-48V) Power Supply |