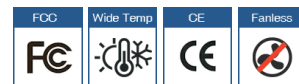


MX6012GLN Series

12G-port Din-rail Layer 3 full Gigabit Managed Ethernet switches

Features

- Up to 8 10/100/1000 BaseT(X) ports
- 12 1000BaseSFP slots
- Layer-3 Switching, Supports Static Routing, RIP V1/V2, OSPF
- RingOn, RingOpen and RSTP for network redundancy
- Fanless, -40 to +85°C operating temperature range
- 12~36VDC or 10~24VAC power supply range



Introduction

Process automation and transportation automation applications combine data, voice, and video, and consequently require high performance and high reliability. The MX6012GLN series full Gigabit backbone switches are equipped with 12 Gigabit Ethernet ports, and support Layer 3 routing functionality to facilitate the deployment of applications across networks, making them ideal for large scale industrial networks. The MX6012GLN's full Gigabit capability increases 12G-port Layer 3 full Gigabit managed Ethernet switches bandwidth to provide high performance and the ability to quickly transfer large amounts of video, voice, and data across a network. The switches support the RingOn, RingOpen, and RSTP/STP redundancy protocols, and are fanless and come with an isolated redundant power supply to increase system reliability and the availability of your network backbone

Specifications

Technology	
Standard	IEEE802.3, 802.3u, 802.3z, 802.3ab
Processing Type	Store and forward
Broadcast Storm	Automatic Broadcast Storm Control
Management	by Web Browser
RingOn	Recovery Time within 15ms
Flow Control	IEEE802.3x Flow Control, Back Pressure Flow Control
Protocols	IGMP Snooping, GMRP, SNMPv1/v2c/v3, DHCP Client, HTTP, HTTPS, Telnet, NTP Client
Software Functions	
L3 Functions	Static IP routing OSPFv1/v2 RIPv1/v2 VRRP IGMP v2/v3 Multicast Listener Protocol Firewall , NAT and port mapping File sharing based on the SAMBA service FTP service based on STUPID FTP SSH secure access service based on OPENSSH Add access, control WEB

L2 Functions	IEEE 802.1Q Static VLAN and VLAN Label Link Layer Management Protocol (LLDP) IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) IGMP SNOOPING RingOn™ Redundant Technology, recovery time <15ms RingOpen Redundancy
Management Tools	Web Interface (HTTP and HTTPS) Console port and Command Line Interface(CLI) controlled by SSHv2 SNMPv1/v2c/v3 Flexible configuration and log file management Managing local file through HTTP, FTP and TFTP Syslog(System log file and remote syslog server) SNTP(NTP Client) Software Online Upgrading

Switch Properties

L3 Host table	4K
MAC Table Size	16K
Priority Queues	4
Max. Number VLANs	64
VLAN ID Range	VID 1 to 4094
IGMP Groups	256

Interface

RJ45 Port	10/100/1000M Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDIX
Fiber Port	100/1000BaseSFP slot
LED Indicators	Power, Port Status, 10/100/1000M
Console port	RJ45 Port
Output Warning	Relay, Standard 2 Pin

Power Requirements

Input Voltage	12~36VDC @ 24W MAX 10~24VAC @ 24VA MAX
Input Connection	Grid panel terminal blocks Standard 4 pin input connection (optional)

Physical Characteristics

Case	Slim Metal Case, IP30 Design
Dimensions	55.2×180×148mm
Installation	DIN Rail or Panel Mounting

Optical Fiber

Mode	Single Mode
Transmission Distance	20km
Centre Wavelength	1310nm
Cable Size	9/125um
TX Power(dBm)	-8~-2dBm
RX Power(dBm)	< -24dBm
Transmission Rate	1000Mbps

Environment Limits	
Operating Temp	Wide Temp. Models: -40 to 85°C
Storage Temp	-40 to 85°C
Ambient Relative Humidity	5 to 95%(Non-condensing)
Standards and Certifications	
EMI	FCC Part15, CISPR(EN55022) Class A
EMS	EN61000-4-2(ESD) Level 4, EN61000-4-3(RS) Level 4, EN61000-4-4(EFT) Level 4, EN61000-4-5(Surge) Level 4, EN61000-4-6(CS) Level 4, EN61000-6-2
Rail Traffic	EN50155, EN50121-3-2, EN55011, IEC61373
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Warranty	
Warranty Period	3 years

Ordering Information

MX6012GLN-4SFP-VLW	Layer 3 Din-rail Managed, 8 x 1000Mbps Copper Port, 4 x Gigabit SFP Fiber Port, Industrial Temperature -40°C to +85°C, Power Input 12~36VDC or 10~24VAC
MX6012GLN-12SFP-VLW	Layer 3 Din-rail Managed, 12 x Gigabit SFP Fiber Port, Industrial Temperature -40°C to +85°C, Power Input 12~36VDC or 10~24VAC