

Product Information

MX6024GL Series

Compliant with IEC61850-3 and IEEE1613
**24G-Port Rackmount Layer 3 Full Gigabit Managed
Ethernet Switches**



Features

- ❖ Supports RIP, OSPF, layer 3 routing protocols
- ❖ 24 Gigabit Ethernet ports
- ❖ Up to 8 optical fiber connections (SC/ST)
- ❖ Fanless, -40 to +85°C operating temperature range
- ❖ Universal 110/220VADC power supply range



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Introduction

The MX6024GL is a high-performance Layer 3 Ethernet switch designed for network routing. The improved hardware technology built into the MX6024GL replaces the software logic used by traditional routers, offering better performance, and making the switch ideal for large scale local area networks (LANs). In addition to Layer 3 features, the MX6024GL also supports advanced management and security features, in order to meet the demands of any industrial application.

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 :	<p>L3 Functions</p> <ul style="list-style-type: none"> • 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 <p>L2 Functions</p> <ul style="list-style-type: none"> • 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 <p>Management Tools</p> <ul style="list-style-type: none"> • 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, TFTP and SCP • 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 :	100BaseFX ports (SC/ST connector)	
LED Indicators :	Power, Port Status, 10/100/1000M	
Console port :	DB9 male	
Output Warning :	Relay, Standard 2 Pin	
Power Requirements		
Input Voltage :	120~370VDC @ 30W MAX 85~265VAC @ 30VA MAX	
Input Connection :	Grid panel terminal blocks Standard 4 pin input connection (optional)	
Physical Characteristics		
Case :	Slim Metal Case, IP40 Design	
Dimensions :	443×44×310mm	
Installation :	Rack mounting	
Optical Fiber		
Mode	Multi-mode	Single Mode
Transmission Distance	2km	20km
Centre Wavelength	1310nm	1310nm
Cable Size	62.5/125um	9/125um
TX Power(dBm)	-20~-10dBm	-15~-8dBm
RX Power(dBm)	< -32dBm	< -32dBm
Transmission Rate	100Mbps	100Mbps
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)	

Ordering Information

MX6024GL Series

MX6024GL-VHW	Layer 3 Rackmount Managed, 24 x Gigabit Copper Port, Industrial Wide Temperature -40°C to +85°C, Power Input 120~370VDC or 85~264VAC
MX6024GL-8SC-VHW	Layer 3 Rackmount Managed, 16 x Gigabit Copper Port, 8 x 100Mbps Multi-Mode Fiber Port with SC Connectors, 2km, Multi Mode Dual Fiber, SC Interface, Industrial Wide Temperature -40°C to +85°C, Power Input 120~370VDC or 85~264VAC
MX6024GL-8SSC-VHW	Layer 3 Rackmount Managed, 16 x Gigabit Copper Port, 8 x 100Mbps Single-Mode Fiber Port with SC Connectors, 20km, Industrial Wide Temperature -40°C to +85°C, Power Input 120~370VDC or 85~264VAC
MX6024GL-8ST-VHW	Layer 3 Rackmount Managed, 16 x Gigabit Copper Port, 8 x 100Mbps Multi-Mode Fiber Port with ST Connectors, 2km, Industrial Wide Temperature -40°C to +85°C, Power Input 120~370VDC or 85~264VAC
MX6024GL-8SST-VHW	Layer 3 Rackmount Managed, 16 x Gigabit Copper Port, 8 x 100Mbps Single-Mode Fiber Port with ST Connectors, 20km, Industrial Wide Temperature -40°C to +85°C, Power Input 120~370VDC or 85~264VAC