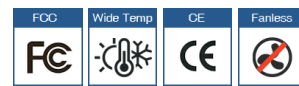


# MX6004LN Series

## 4-port Din-rail Layer 3 Managed Ethernet switches

### Features

- RingOn (recovery time < 15ms), RSTP for Network Redundancy
- Automatic E-mail Notification for system events
- Port Mirror and Port Trunk with LACP
- -40 to +85°C Operating Temperature Range (W models)
- IP30 DIN Rail or Panel Mounting
- 12~36VDC or 10~24VAC power supply range



### Introduction

MX6004LN series switches, which boast compact design, highly integration and reliability, are gigabit managed industrial Ethernet switches. The switches are equipped with not only L2 functions but also L3 routing. They are capable of providing power information transmission and network management in harsh industrial environments. They support up to 4 10/100 Mbps DB9 ports. They support redundant power supply input, ranging from 10~24VAC or 12~36VDC. As for installation, they can be installed with Din-rail

### 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	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
LED Indicators	Power, Port Status
Console port	RJ45 Port
Output Warning	Relay, Standard 2 Pin

### Power Requirements

Input Voltage	12~36VDC @ 20W MAX 10~24VAC @ 20VA 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

### Environment Limits

Operating Temp	Standard Models: -10 to 60°C Wide Temp. Models: -40 to 75°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
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## Ordering Information

MX6004LN-4DB9	Lay 3 Din-rail Managed, 4 x 100Mbps Copper Port, DB9 Interface, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
MX6004LN-4DB9-W	Lay 3 Din-rail Managed, 4 x 100Mbps Copper Port, DB9 Interface, Industrial Wide Temperature -40°C to +85°C, Power Input 12~36VDC or 10~24VAC