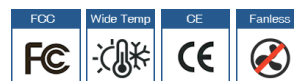


# MX6024 Series

## 24-Port Rackmount Managed Ethernet switches

### Features

- IEC 61850-3, IEEE 1613 (power substations) compliant
- Up to 4 100Mbps Copper Port and 24 100Mbps SFP Slots
- RingOn (recovery time < 15ms), RSTP for Network Redundancy
- Port Mirror and Port Trunk with LACP
- -40 to +85°C Operating Temperature Range (W models)



### Introduction

The MX6024 series is designed for power substation automation applications that operate in extremely harsh environments. The MX6024 series is compliant with IEC 61850-3, and its EMC immunity exceeds IEEE 1613 Class 2 standards to ensure zero packet loss while transmitting at wire speed. With Gigabit Ethernet, redundant ring, and 220VADC/110VAC isolated redundant power supplies, the MX6024 series further increases the reliability of your communications and saves cabling/wiring costs. The wide range of MX6024 models available support multiple types of port configuration, with up to 4 copper ports and 20 SFP Slots. Taken together, these features allow greater flexibility, making the MX6024 suitable for a variety of industrial application.

### Specifications

Technology	
Standard	IEEE802.3, 802.3u, 802.3x, 802.1Q, 802.1p
Processing Type	Store and forward
Broadcast Storm	Automatic Broadcast Storm Control
Management	by Web Browser
RingOn	Recovery Time within 15ms
Flow Control	Full Duplex Flow Control, Half Duplex Back Pressure Control
Protocols	IGMP Snooping, GMRP, SNMPv1/v2c/ v3, DHCP Client, HTTP, HTTPS, Telnet, NTP Client
Switch Properties	
MAC Table Size	8K
Priority Queues	4
Max. Number VLANs	64
VLAN ID Range	VID 1 to 4094
IGMP Groups	256

Interface		
RJ45 Port	10/100BaseT(X) or 10/100/1000BaseT(X) auto negotiation speed	
Fiber Port	LC connector	
Fiber Module	100Base-FX SPF Module (Accessories are optional)	
LED Indicators	Power, Port Status, 10/100M	
Console port	DB9 male	
Output Warning	Relay, Standard 2 Pin	
Power Requirements		
Input Voltage	120~370VDC @ 30W MAX 85~265VAC @ 30VA MAX	
Input Connection	Barrier type terminal blocks	
Physical Characteristics		
Case	Slim Metal Case, IP30 Design	
Dimensions	443×44×350mm	
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 to -10dBm	-15 to -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)	
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

MX6024-20SFP-VHW

Rackmount Managed, 4 x 100Mbps Copper Port, 20 x 100Mbps SFP Slots, Industrial Wide Temperature -40°C to +85°C, Power Input 120~370VDC or 85~264VAC

Note: All of the Above Products SC Connector can be replaced by ST Connector