

Product Information

MX6028-4G Series

Compliant with IEC61850-3 and IEEE1613

**24+4G Port Rackmount Gigabit Managed
Ethernet switches**



Features

- ❖ Compliant with IEC61850-3 and IEEE1613
- ❖ RingOn (recovery time < 15ms), RSTP for Network Redundancy
- ❖ IGMP snooping and GMRP for filtering multicast traffic
- ❖ SNMPv1/v2c/v3 for network management of different levels
- ❖ -40 to +85°C operating temperature range

Introduction

The MX6028-4G series is designed for power substation automation applications that operate in extremely harsh environments. The MX6028-4G 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 MX6028-4G series further increases the reliability of your communications and saves cabling/wiring costs. The wide range of MX6028-4G models available support multiple types of port configuration, with up to 4 10/100M copper ports, 20 100M SFP Slots and 4 Gigabit SFP Slots. Taken together, these features allow greater flexibility, making the MX6028-4G suitable for a variety of industrial application.

Specifications

Technology	
Standard :	IEEE802.3, 802.3u, 802.3x, 802.3ab, 802.3z, 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 Ports :	LC connector
Fiber Module :	100Base-FX SFP Slots and 1000Base-FX SFP Slots
LED Indicators :	Power, Port Status, 10/100/1000M, 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, IP40 Design
Dimensions :	443×44×350mm
Installation :	Rack mounting

Optical Fiber			
Mode	Multi-mode	Single Mode	Single Mode
Transmission Distance	2km	20km	20km
Centre Wavelength	1310nm	1310nm	1310nm
Cable Size	62.5/125um	9/125um	9/125um
TX Power(dBm)	-20~-10dBm	-15~-8dBm	-8~-2dBm
RX Power(dBm)	< -32dBm	< -32dBm	< -24dBm
Transmission Rate	100Mbps	100Mbps	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		
Shock :	IEC 60068-2-27		
Freefall :	IEC 60068-2-32		
Vibration :	IEC 60068-2-6		
Warranty			
Warranty Period :	3 years		

Ordering Information

MX6028-4G Series

MX6028-4G-20SFP-VHW	Rackmount Managed, 4 x 100Mbps Copper Port, 4 x Gigabit SFP Slots, 20 x 100Mbps SFP Slots, Industrial Wide Temperature -40°C to +85°C, Power Input 120~370VDC or 85~264VAC
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