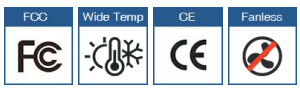
MX6028-4G Series

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 Port	LC connector		
Fiber Module	100Base-FX SFP Slots and 1000Base-FX SFP Slots		
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, IP40 Design		
Dimensions	443×44×260mm		
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 to -10dBm	-15 to -8dBm	-8 to -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		
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

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

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