

Product Information

MX6018-2G Series

Compliant with IEC61850-3 and IEEE1613

**16+2G Port Rackmount Gigabit Managed
Ethernet switches**



Features

- ❖ Up to 16 100Mbps copper ports and 4 100Mbps Fiber ports
- ❖ 2 1000Mbps RJ45/SFP Combo ports
- ❖ Power inputs: 120-370VDC or 85-264VAC
- ❖ RingOn (recovery time < 15ms), RSTP for Network Redundancy
- ❖ -40 to +75°C Operating Temperature Range (W models)

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Introduction

The MX6018-2G industrial managed Ethernet switches, which boast highly integration and reliability, are capable of providing powerful information transmission and network management functions in harsh industrial environments. The switches are equipped with up to 16 10/100Mbps copper ports and 4 100BaseFX ports and 2 RJ45/SFP Combo ports. Optical port supports SC/ST connectors. The switches are able to provide optional redundant power supply input with 120~370VDC or 85~264VAC. This switch series can be installed with a standard 1U rackmount.

Specifications

Technology	
Standard :	IEEE802.3, 802.3u, 802.3x, 802.3ab, 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 :	100BaseFX ports (SC/ST connector)
Fiber Module :	1000Base-LX (2 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 @ 25W MAX 85~265VAC @ 25VA MAX
Input Connection :	Barrier type terminal blocks
Physical Characteristics	
Case :	Slim Metal Case, IP30 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~-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

MX6018-2G Series

MX6018-2G-VHW	Rackmount Managed, 16 x 100Mbps Copper Port, 2 x Gigabit combo Interface, Industrial Wide Temperature -40°C to +85°C, Power Input 120~370VDC or 85~264VAC
MX6018-2G-2SC-VHW	Rackmount Managed, 14 x 100Mbps Copper Port, 2 x 100Mbps Multi-Mode Fiber Port with SC Connectors, 2 x Gigabit Combo Port, 2km, Industrial Wide Temperature -40°C to +85°C, Power Input 120~370VDC or 85~264VAC
MX6018-2G-2SSC-VHW	Rackmount Managed, 14 x 100Mbps Copper Port, 2 x 100Mbps Single-Mode Fiber Port with SC Connectors, 2 x Gigabit Combo Port, 20km, Industrial Wide Temperature -40°C to +85°C, Power Input 120~370VDC or 85~264VAC
MX6018-2G-4SC-VHW	Rackmount Managed, 12 x 100Mbps Copper Port, 4 x 100Mbps Multi-Mode Fiber Port with SC Connectors, 2 x Gigabit Combo Port, 2km, Industrial Wide Temperature -40°C to +85°C, Power Input 120~370VDC or 85~264VAC
MX6018-2G-4SSC-VHW	Rackmount Managed, 12 x 100Mbps Copper Port, 4 x 100Mbps Single-Mode Fiber Port with SC Connectors, 2 x Gigabit Combo Port, 20km, 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