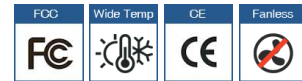


# MX6018-2G Series

12G-port Din-rail Layer 3 full 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)



## 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	
L3 Host table	8K
Priority Queues	4
Max. Number VLANs	64
VLAN ID Range	VID 1 to 4094
IGMP Groups	256

Interface			
RJ45 Port	10/100/1000M Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDIX		
Fiber Port	100/1000BaseSFP slot		
LED Indicators	Power, Port Status, 10/100/1000M		
Console port	RJ45 Port		
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 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

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