

# MAT-6405CA

## 100M Unmanaged Ethernet Switch



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- Adopt high quality opt electric integration modules to provide good optical and electrical characteristics, ensure reliable data transmission and long lifecycle
- Supports full-duplex and half-duplex, auto negotiation
- Auto-10/100Mbps
- Fully automatic recognition of network interface, no need to manually operate switches
- Plug and play for easy access
- Operating temperature: -20~75°C
- Input voltage: 12/24/48VDC(10.8-52.8VDC), support reverse connection protection



## OVERVIEW

MAT-6405C is a 5-port 100M unmanaged Ethernet switch that provides positive and negative AC/DC input protection to prevent burnout of the instrument. It has a compact design and supports industry standard DIN-rail mounting, so it is easy to install in any industrial network application.

## SPECIFICATION

### Protocol Standards

IEEE 802.3 10Base-T  
IEEE 802.3u 100Base-TX

### Interfaces

RJ45 ports: 5 10/100Base-T (X) ports, auto-detection, full/half duplex, auto MDI/MDI-X

### LED indicator light

PWR power light, network indicator

### Power Requirement

Input voltage: 12/24/48VDC(10.8~52.8VDC)  
Interface terminal: 1 pluggable 3-pin terminal  
Overload protection: Support  
Reverse connection protection: Support

### Consumption

Power consumption: 100mA@24Vmax

### Switching Performance

Forwarding rate: 148810pps  
Transmission mode: store and forward  
MAC address size: 2K  
Cache size: 768Kb  
Backplane bandwidth: 1G

### Mechanical Characteristics

IP protection level: IP40  
Installation: DIN-Rail /Wall Mounted

### Mechanical Dimension

Dimension (W x H x D): 180mm x 140mm x 28mm  
Weight: 560g

### Operating Environment

Operating temperature: -20~75°C  
Storage temperature: -40~85°C  
Relative humidity: 0~95% (non-condensing)

**Industrial Standards**

EMI:

FCC Part 15 Subpart B class A EMI N55022 class A

EMS:

IEC(EN)61000-4-2(ESD)

IEC(EN)61000-4-3(RS)

IEC(EN)61000-4-4(EFT)

IEC(EN)61000-4-5(Surge)

IEC(EN)61000-4-6(CS)

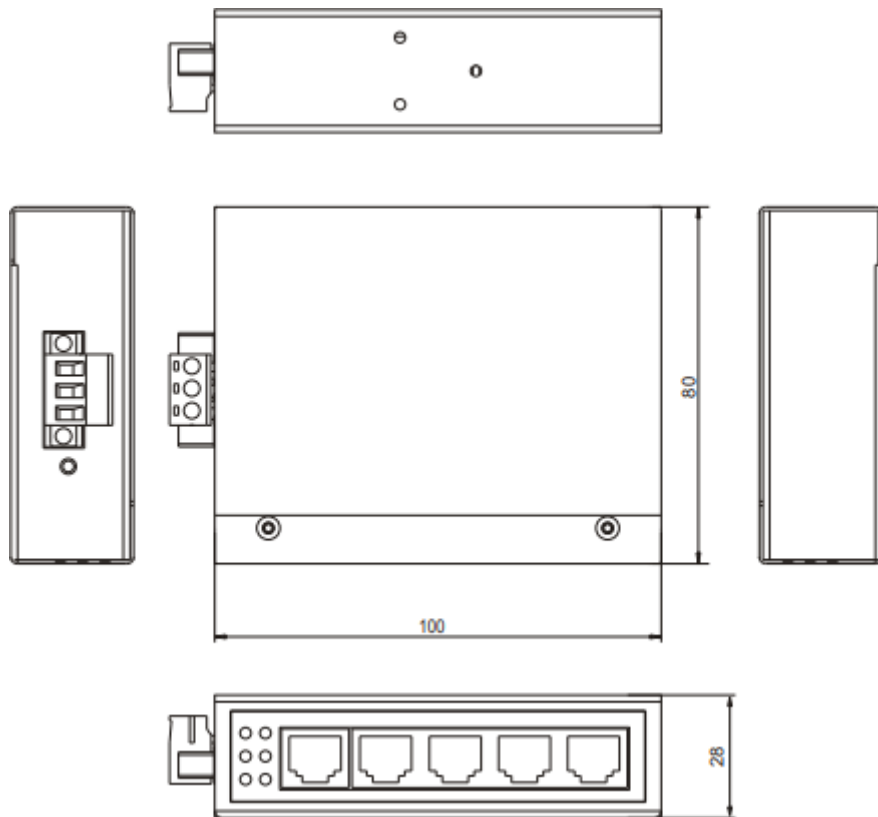
IEC(EN)61000-4-8

IEC 60068-2-27(Shock)

IEC 60068-2-32(Freefall)

IEC 60068-2-6(Vibration)

**Dimension**



**ORDER INFORMATION**

Model	Port
	10/100Base-T(X)
MAT-6405CA	5