



8 Port 10/100M Industrial Ethernet Switch

7*FE+1*FE port



- 7*10/100M ports+ 1*10/100M RJ45 port Industrial Ethernet Switch;
- Switching capacity:1.6Gbps, MAC table:2K;
- Input voltage: DC12-52V, Redundant dual power 6-bit industrial terminals;
- IP protection level: IP40; Rail-type installation;
- 3 years warranty.

RoHS **FC** **CE**

Introduction

The MAT-1708 is a 10/100M unmanaged industrial Ethernet switch. It is suitable for intelligent transportation, rail transit, electric power, mining, metallurgy, and green energy. Industrial scenes such as construction set up a cost-effective and stable communication network. Unmanaged model, plug and play, no configuration, easy to use.

TECHNICAL SPECIFICATION

Model	MAT-1708
Fixed Port	7*10/100Base-T RJ45 ports (Data) 1*10/100Base-T uplink RJ45 port (Data) 2 set of V+, V- redundant DC power interface (6Pin Phoenix terminal)
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meter) 100BASE-T: Cat5e or later UTP (≤100 meter)
Ethernet Port	10/100Base-TX, auto-sensing, Full/half duplex MDI/MDI-X self-adaption
Chip Parameter	

Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3u 100Base-FX, IEEE802.3x
Forwarding Mode	Store and Forward (Full Wire Speed)
Switching Capacity	1.6Gbps
Forwarding Rate@64byte	0.89Mpps
MAC	2K
Buffer Memory	768K
Jumbo Frame	1536bytes
LED Indicator	Power: PWR (green), Network: Link (yellow), PoE: PoE (green)
Power Consumption	4W Max
Working Voltage	12-52VDC; 4 Pin industrial Phoenix terminal, support anti-reverse protection.
Power Supply	No, optional 48V/60W or 48V/120W industrial power supply
Physical Parameter	
Operation TEMP / Humidity	-40~+80°C;5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+85°C;5%~95% RH Non condensing
Installation	Desktop, DIN rail mounting
Certification & Warranty	

Lightning protection / protection level	<p>Lightning protection: 6KV 8/20us; Protection level: IP40</p> <p>IEC61000-4-2(ESD): ±8kV contact discharge, ±15kV air discharge</p> <p>IEC61000-4-3(RS):10V/m(80~1000MHz)</p> <p>IEC61000-4-4(EFT): power cable: ±4kV; data cable: ±2kV</p> <p>IEC61000-4-5(Surge): power cable:CM±4kV/DM±2kV; data cable: ±4kV</p> <p>IEC61000-4-6(radio frequency transmission):10V(150kHz~80MHz)</p> <p>IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s</p> <p>IEC61000-4-9(pulsed magnet field):1000A/m</p> <p>IEC61000-4-10(damped oscillation):30A/m 1MHz</p> <p>IEC61000-4-12/18(shockwave):CM 2.5kV, DM 1kV</p> <p>IEC61000-4-16(common-mode transmission):30V; 300V,1s</p> <p>FCC Part 15/CISPR22(EN55022): Class A</p> <p>IEC61000-6-2(Common Industrial Standard)</p>
Mechanical Properties	<p>IEC60068-2-6 (anti vibration), IEC60068-2-27 (anti shock)</p> <p>IEC60068-2-32 (free fall)</p>
Certification	CCC; CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS;
Warranty	3 years, lifelong maintenance.

PACKING LIST

CONTENT	QTY	UNIT
8 Ports 10/100M Industrial Ethernet Switch (IS1708)	1	SET
Warranty Card	1	PC