

CentreCOM® IA708C

Fast Ethernet Industrial Unmanaged Switch

The Allied Telesis IA708C unmanaged switch is a cost-effective and robust solution for industrial environments.

Overview

This high-performing, cost-effective switch meets the stringent requirements of today's industrial networks.

With a wide operating temperature range of between -10°C and 70°C, the IA708C tolerates harsh and demanding conditions, such as those found in industrial and outdoor deployment.

Quality of Service (QoS)

High performance ensures the delivery of time-sensitive data, with Quality of Service (QoS) allowing the prioritization of important traffic.

Industrial automation support

The IA708C supports EtherNet/IP for integrating industrial applications, and

manufacturing automation devices such as motor controllers and position sensors, with standard data network systems.

Force MDI/MDI-X

The IA708C switch features a Force MDI selector switch, which makes it possible to fix ports 1 -7 to MDI-X, and port 8 to MDI.

Auto MDI/MDI-X is the default.



Key Features

- ▶ QoS
- ▶ Flow control
- ▶ Power Save mode
- ▶ Selectable MDI/MDI-X
- ▶ DIN rail mounting

Specifications

PRODUCT	10/100TX (RJ-45) COPPER PORTS	SWITCHING FABRIC	FORWARDING RATE
IA708C	8	1.6Gbps	1.19Mpps

Physical Specifications/Power Characteristics 12-24 VDC

PRODUCT	WIDTH X DEPTH X HEIGHT	WEIGHT	MAX POWER CONSUMPTION	MAX HEAT DISSIPATION	NOISE	PROTECTION RATE
IA708C	46 x 100 x 130 mm (1.81 x 3.94 x 5.12 in)	0.51 kg (1.12 lb)	3.7W	12.62 BTU/h	Fanless	IP30

Performance

- ▶ Packet Buffer 1.5Mbytes
- ▶ MAC address 16K entries
- ▶ MAC address aging time 300 - 600 sec

Support Functions

- ▶ QoS
- ▶ Flow Control
- ▶ Power Save Mode

Environmental Specifications

- ▶ Operating temperature range: -10°C to 70°C (14°F to 158°F)
- ▶ Storage temperature range: -20°C to 70°C (-4°F to 158°F)
- ▶ Operating humidity range: less than 80% non-condensing
- ▶ Storage humidity range: 5% to 95% non-condensing
- ▶ Operating altitude: up to 3,000 meters (9,842 ft)

Standards and Protocols

IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX
IEEE 802.3x Flow Control
IEEE 802.1p Class of Service, priority protocol

Electrical/Mechanical Approvals

Compliance Mark	CE, FCC, ICES, UL, VCCI
EMS	IEC61000-4-2 IEC61000-4-3 IEC61000-4-4 IEC61000-4-5 IEC61000-4-6 IEC61000-4-8
Safety	EN60950-1
EMC	EN55024 FCC Part15 Sub B ICES-003 Issue6 VCCI Class A EN55032 Class A
International Protection	IEC60529 IP30
Stability Testing	IEC60068-2-27(Shock) IEC60068-2-6(Vibration) IEC60068-2-32(Free fall)

RoHS Compliance

EU RoHS

Ordering Information

AT-IA708CM

Industrial unmanaged switch with 8 10BASE-T/100BASE-TX ports