Mini Industrial 10-Port 10/100/1000T Compact Ethernet Switch

Features

- ► 10-port 10/100/1000BASE-T RJ45 with auto-MDI/MDI-X function
- ► Supports auto-negotiation and 10/100Mbps half/full duplex and 1000Mbps full duplex
- ► 12~48VDC wide range power input
- ► Supports 802.3x Flow control
- ► Complies with IEEE 802.3az Energy Efficient Ethernet (EEE)
- ► Supports DIN-Rail and Wall-mount installation
- ► Industry standard design, dustproof and close design IP40, rugged high-strength metal case
- ► -40°C to 80°C (-40°F to 176°F) operating temperature

Overview

IMC010G Series is a Mini Industrial 10-Port 10/100/1000T Gigabit Ethernet Switch with 12~48VDC wide range power input. This unmanaged industrial Ethernet switch is designed to match the critical industrial standards. With reliable and simple operation against vibration and shock, and wide operation temperature range, it could match a variety of harsh environment. The switch complies with CE and FCC standards, and passed the 100% burning test to ensure that it will fulfill the needs of industrial applications. It is a good choice for an economical solution for industrial Ethernet connections.

Application

Technical Indexes

Ethernet	
Standards:	IEEE 802.3 Ethernet
	IEEE 802.3u Fast Ethernet
	IEEE 802.3ab Gigabit Ethernet
	IEEE 802.3x Full-Duplex Flow Control
	IEEE 802.3az Energy Efficient Ethernet (EEE)
Forward & Filtering Rate:	14,880pps (10Mbps)
	148,800pps (100Mbps)
	1,488,000pps (1000Mbps)
Packet Buffer:	2Mbits
Packet Length:	9216bytes
MAC Address Table:	4K entries
Switch Fabric:	20Gbps/non-blocking
Switch Throughput (packet per second)	14.88Mpps@64bytes
Connector:	10 x 10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports
Environmental	
Operating Temperature:	-40°C to 80°C (-40°F to 176°F)

Storage Temperature:	-40°C to 85°C (-40°F to 185°F)
Relative Humidity:	5% to 95% non-condensing
MTBF	> 200,000 hrs

Electrical and Mechanical

| Input Power: | 12~48VDC |
	Redundant power with polarity reverses protection function
Power Consumption:	<10W
Power Input Overload:	Automatic Resettable
Reverse Polarity:	Present
Dimensions (WxDxH):	95 x 88 x 46mm
Weight:	300g
Casing:	Aluminum Case
Mounting Options:	DIN-Rail / Wall-mount
LED Indicators:	
PWR	Power
L/A	Link/Activity
SPD	Data Rate

Regulatory Approvals

ISO9001
EN55022:2010+AC: 2011, Class A
EN 61000-3-2: 2006+A1: 2009+A2: 2009
EN 61000-3-3: 2013
EN55032:2017
IEC 61000-4-2: 2008 (ESD)

| IEC 61000-4-3: 2010 (RS) |
| IEC 61000-4-4: 2012 (EFT) |
| IEC 61000-4-5: 2014 (Surge) |
| IEC 61000-4-6: 2013 (CS) |
| IEC 61000-4-8: 2009 (PFMF) |

Ordering Information

Model	Description
IMC010G	Mini Industrial 10-Port 10/100/1000T Gigabit Ethernet Switch
Mounting Options	▶ Default DIN-Rail Bracket installed; Wall Mount Bracket is included.
Power Options	▶ Power Supply is to be purchased separately

Dimension & Size

46mm

88mm

95mm