NS2052-8P-2C

8-port PoE Unmanaged Industrial Ethernet Switch with 2 x RJ45/SFP Gigabit uplink combo ports

Overview

The IFS 8-port PoE Unmanaged Industrial Ethernet Switch provides four 10/100Mbps Ethernet ports with IEEE802.3-at PoE and one 10/100Mbps non-PoE Ethernet port.
This unmanaged switch provides plug-and-play installation with no programming required and is ideal for use in small IP systems. The switch uses an IP-30 standard metal case and can also be used in electrically harsh and climatically demanding environments. The switch accommodates either DIN-rail or wall mounting for efficient installation in multiple applications.



This switch is engineered with a high-performance switch architecture capable of providing a non-blocking switch fabric and wire-speed throughput of 5.6Gbps. With its 2K MAC address table, this switch offers wire-speed packet transfer performance without the risk of packet loss. The Flow Control function allows the switch to deliver fast and reliable IP data transfer.

This switch is ideal for applications such as IP cameras, access control, VoIP and wireless access points.

Details

- 8 RJ-45 Ports 10/100Base-TX (PoE)
- 2 RJ-45/SFP combo Ports 100/1000 (non-PoE)
- Auto MDI/MDI-X
- High Performance Architecture
- Extended mode delivering 30W PoE output, 10Mbps full duplex at distances up to 250 meters.
- Unmanaged plug and play installation requiring no programming
- Store-and-Forward switching architecture with wire-speed filtering and forwarding rates
- Up to 4 IEEE 802.3at devices powered
- Supports up to 30 watts for each PoE port
- Auto detect powered device (PD)
- Robust Hardened Design
- Provides either DIN-rail or wall-mounting
- 52 to 56VDC Operation
- Redundant power with reverse-polarity protection
- Removable terminal block for master and slave power
- Alarm relay output for power-failure alert
- Voltage/surge-suppression
- Complies with IEC60068-2-xx standards for free-fall, shock and vibration
- Wide operating temperature range of -40 to 75°C

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Technical specifications

General

Fast ring	No
DHCP snooping	No
Fault relay output	No

Category

Category	Industrial
Management	Unmanaged
Managed	No
PoE	Yes

Physical ports

No. of ports	8
Port type	Fast
Speed	Fast
PoE/PoE+	8 port PoE+
Fiber port	2 SFP
Supported SFPs	S30/S35 series

Switch Performance

Switch fabric	5.6Gbps
Throughput (Mpps)	4.1
Mac table	16 K
Jumbo frame support	10 K

Layer 2 Functions

Management interface	Unmanaged plug and play installation requires no programming

Electrical

PoE power budget	30 W (per port)
Redundant power	Yes
Power supply type	52 to 56 VDC
Power consumption	244 W (Max.)

Physical

Physical dimensions	72 x 107 x 161 mm
Net weight	1034 g
Colour	Black
Material	Metal
Mounting type	DIN-rail, Wall mount
Stackable	No

Environmental

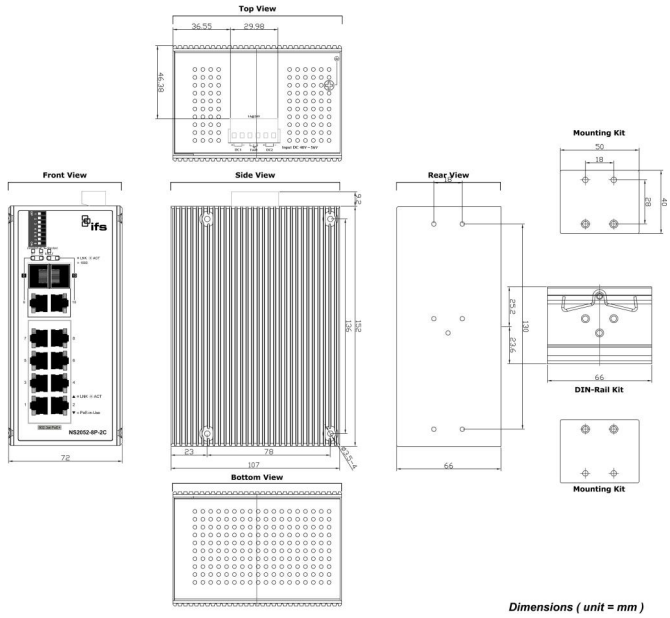
Operating temperature	-40 to +75
Storage temperature	-40 to 75 °C
Relative humidity	0 to 95% (non-condensing)
Environment	Indoor
IP rating	IP30

Regulatory

IEC standard	IEC60068-2-27 (shock), IEC60068-2-32 (free fall), IEC60068-2-6 (vibration)

LED Indicators

Power:	Power input 1 – Green; Power input 2 – Green
Power Fault:	Green: Normal operation – Off; Fault – Red
PoE Ports (Port-1~Port-8):	Green: LNK/ACT (10/100Mbps), Orange: PoE-In-Use
Uplink Port (Port-9~Port-10) SFP:	Green: LNK/ACT, Orange: 1000
Uplink Port (Port-9~Port-10) RJ45:	Green: LNK/ACT, Orange: 1000



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Last updated on 16 June 2026 - 15:24