INE-8MS-2100

RUGGED INDUSTRIAL UNMANAGED SWITCH

Unmanaged, 8*10/100Base-T(X) RJ45, dual power supply 9~60VDC, Optional DIN Rail Mounting

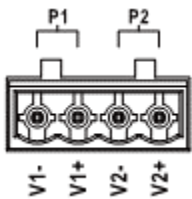**SerialComm®**
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INDUSTRIAL PROVEN RELIABILTY

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PRODUCT OVERVIEW

The INE-8MS-2100 is a rugged industrial grade slim unmanaged 10/100M Ethernet switch with 8 10/100M RJ45 ports, a 12/24/48VDC (9-60VDC) redundant power input, and an attached removeable DIN Rail mount.

POWER SUPPLY CONNECTION

The INE-8MS-2100 utilizes a 4-pin terminal block as a power input with a voltage range of 12/24/48VDC (9-60VDC). The power input can support either one single power supply, or two separate power supplies at the same time for redundancy. When the power input uses the redundant power supply, P1 is the primary power input and P2 is the secondary power input. The terminal block also supports anti-reverse connection so that if the power supply is connected backwards, the device won't get powered or become damaged.
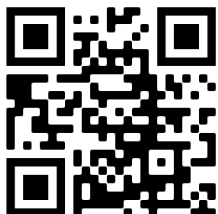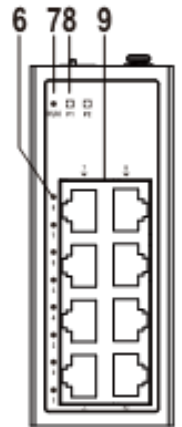
DIP SWITCH SETTINGS

No.	Definition	Operation
1	Loop Detection	Set the switch to the ON position to enable the loop detection function.
2	Storm Suppression	Set the switch to the ON position to enable the storm suppression function.
3	VLAN	Set the switch to the ON position to set port 1 as the uplink port and ports 2-8 as the downlinks. Each downlink port is isolated from each other.
4	Flow Control	Set the switch to the ON position to enable the flow control function.

PANEL DESIGN
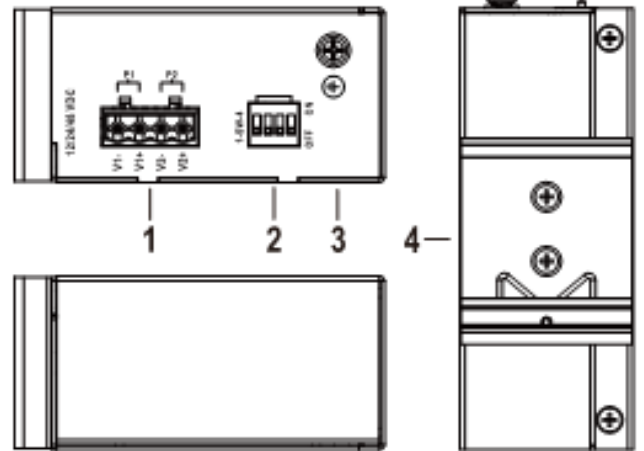
1. Power Input Terminal Block
2. DIP Switch
3. Grounding Screw
4. Removeable DIN Rail Mount
5. N/A
6. Ethernet Port LED Indicators
7. Running LED Indicator (RUN)
8. Power LED Indicator
9. Ethernet Ports

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ANAB ANSI National Accreditation Board ACCREDITED ISO/IEC 17021-1 MANAGEMENT SYSTEMS CERTIFICATION BODY

Certified to ISO 9001:2015

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SPECIFICATIONS

TECHNOLOGY STANDARDS

STANDARDS:	IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseTX IEEE 802.3x for Flow Control IEEE 802.1Q for VLAN
PROCESSING TYPE:	Store and forward

SWITCH PROPERTIES

MAC ADDRESS:	2K
PACKET BUFFER:	0.5Mbits
BACKPLANE BANDWIDTH:	1.6G
SWITCH TIME DELAY:	<10μs

INTERFACE PROPERTIES

RJ45 PORT:	8x 10/100Base-T(x), auto flow control, full/half duplex mode, auto MDI/MDI-X
LED INDICATORS:	Power indicator, running indicator, interface indicator
DIP Switch:	1: loop detection | 2: storm suppression | 3: VLAN | 4: flow control

MECHANICAL PROPERTIES

MATERIAL:	Hardened Steel
PROTECTION GRADE:	Rugged - IP40
WEIGHT:	1.60 lb (0.70 kg)
MOUNTS:	DIN-Rail Mounting

POWER REQUIREMENTS

OPERATION VOLTAGE:	9-60VDC, Redundant Dual Inputs
CONNECTION:	1x Removable 4-Contact Terminal Block
POWER CONSUMPTION:	No-load: 0.4W at 12VDC Full-load: 3.0W at 12VDC
PROTECTION:	Reverse Polarity Protected

ENVIRONMENT PROPERTIES

OPERATING TEMP.:	-40°C - 75°C (-40°F - 167°F)
STORAGE TEMP.:	-40°C - 85°C (40°F - 185°F)
HUMIDITY:	5% - 95%, (No Condensation)

REGULATORY APPROVALS

EMI:	FCC Part 15 Subpart B Class A CE EN 55032 Class A
FREE FALL:	IEC 60068-2-32
SHOCK:	IEC 60068-2-27
VIBRATION:	IEC 60068-2-6
GREEN:	RoHS Compliant
MTBF:	440,738 Hours
WARRANTY:	5 Year Replacement

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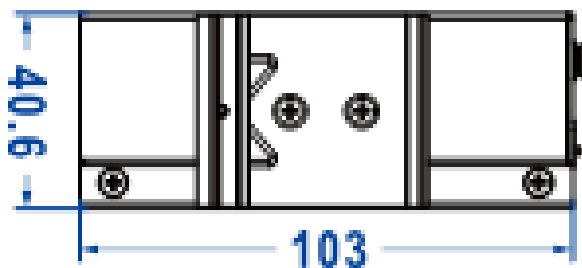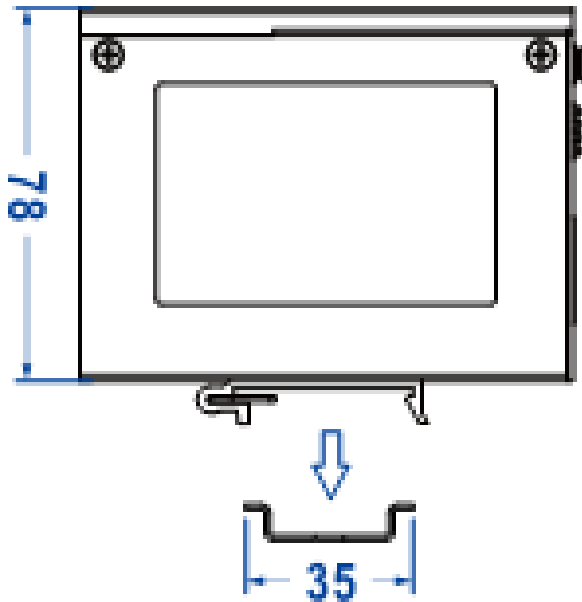Unmanaged, 8*10/100Base-T(X) RJ45, dual power supply 9~60VDC, Optional DIN Rail Mounting

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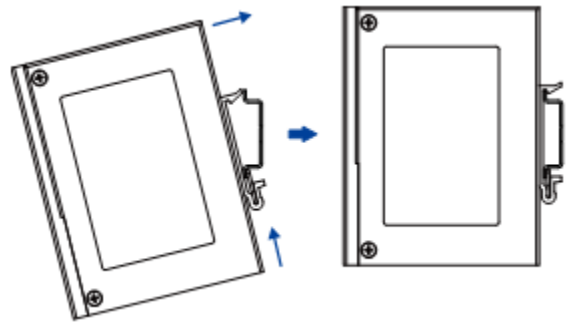Data Conversion Experts

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DIMENSIONS

Units: mm

78

35

40.6

103

DIN RAIL MOUNTING

The INE-8MS-2100 includes a removable standard 35mm Din Rail mount which is compatible with most DIN Rail racks. Mounting steps are as follows:

Step 1   Power off the Ethernet switch.
Step 2   Check that the DIN Rail mount is firmly installed on the Ethernet switch.
Step 3   Insert the bottom of the DIN Rail mount (the end with the spring supports) into the bottom of the DIN Rail on the rack.
Step 4   Tilt and push the Ethernet switch forward so that the rest of the mount clips onto the rail.
Step 5   Confirm that the Ethernet switch is securely mounted.

DIN RAIL REMOVAL

Step 1   Power off the ethernet switch.
Step 2   Slightly tilt the device downwards to shift out the top of the DIN Rail from the DIN Rail mount.
Step 3   The Ethernet switch can now be removed from the rail.

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