INE-5MP-2105

RUGGED INDUSTRIAL UNMANAGED SWITCH

Unmanaged, 4*10/100Base-T(X) PoE/PoE+ RJ45, 1*10/100Base-T(X) RJ45, single power supply 44~55VDC, Optional DIN Rail Mounting

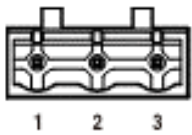**SerialComm** ®
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PRODUCT OVERVIEW

The INE-5MP-2105 is a rugged industrial grade slim unmanaged PoE/PoE+ 10/100M Ethernet switch with 4 PoE/PoE+ 10/100M RJ45 ports, one standard 10/100M RJ45 port, a 44-55VDC single power input, and an attached removeable DIN Rail mount.

POWER SUPPLY CONNECTION

The INE-5MP-2105 utilizes a 3-pin terminal block as a power input with a voltage range of 48VDC (44-55VDC). 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.

The pin definitions are as follows:

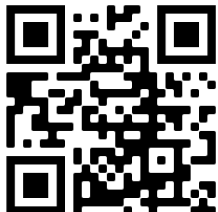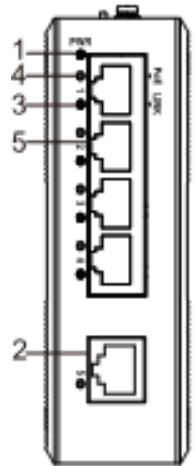| PIN	1	2	3
Definition	V+	FG	V-

DIP SWITCH SETTINGS

No.	Definition	Operation
1	Jumbo Frame	Set the switch to the ON position to enable the jumbo frame function.
2	Flow Control	Set the switch to the ON position to enable the flow control function.
3	One-Key VLAN	Set the switch to the ON position to isolate each port from each other except for port 5.
4	NC	Reserved

PANEL DESIGN
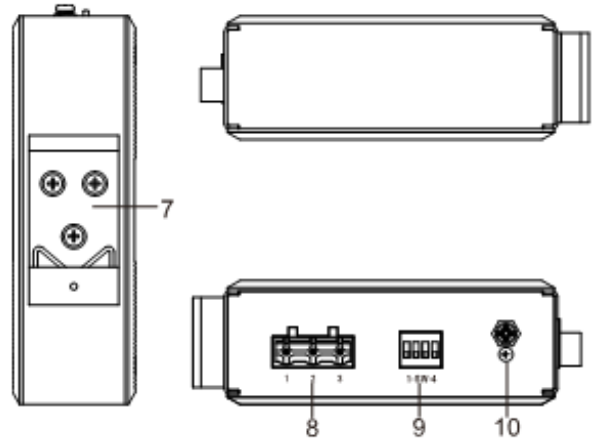
1. Power supply indicator
2. 100M copper port
3. Interface connection indicator
4. PoE indicator
5. 100M PoE copper port
6. NA
7. DIN-Rail mounting kit
8. Terminal block for power input
9. DIP switch
10. Grounding screw

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INE-5MP-2105

RUGGED INDUSTRIAL UNMANAGED SWITCH

Unmanaged, 4*10/100Base-T(X)
PoE/PoE+ RJ45, 1*10/100Base-T(X)
RJ45, single power supply
44~55VDC, Optional DIN Rail
Mounting

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INDICATOR LEDS

No.	ON/OFF	Operation
PWR	ON	PWR is connected and running normally
PoE(1-4)	ON	PoE port Is powering other devices normally.
Link/ACT (1-5)	ON Blinking	Port has established connection Network Port is receiving data.

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 IEEE 802.3af for PoE IEEE 802.3at for PoE+
PROCESSING TYPE:	Store and forward

SWITCH PROPERTIES

JUMBO FRAME:	2048 bytes
MAC ADDRESS:	2K
PACKET BUFFER:	0.5Mbits
BACKPLANE BANDWIDTH:	1G
SWITCH TIME DELAY:	<10μs

INTERFACE PROPERTIES

RJ45 PORT:	5x 10/100Base-T(x), auto flow control, full/half duplex mode, auto MDI/MDI-X
LED INDICATORS:	Power indicator, PoE indicator, interface indicator

DIP Switch:	1: jumbo frame | 2: flow control | 3: one-key VLAN | 4: reserved
100M Port	10/100M self-adapting RJ45 port, half/full duplex self-adaption or forced working mode, support MDI/MDI-X self-adaption
100M PoE Port	10/100M RJ45, automatic flow control, MDI/MDI-X autotuning, autosensing PoE port output power of 4W/15.4W/30W
PoE Pins	V+, V+, V-, V- on 1, 2, 3, 6

MECHANICAL PROPERTIES

MATERIAL:	Hardened Steel
PROTECTION GRADE:	Rugged - IP40
WEIGHT:	1.30 lb (0.55 kg)
MOUNTS:	DIN-Rail Mounting

POWER REQUIREMENTS

OPERATION VOLTAGE:	44-55VDC, Single Power Input
CONNECTION:	1x Removable 3-Contact Terminal Block
POWER CONSUMPTION:	No-load: ≤1.4W at 48VDC Full-load: ≤100.6W at 48VDC
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 and REACHCompliant
MTBF:	429,424 Hours
WARRANTY:	5 Year Replacement

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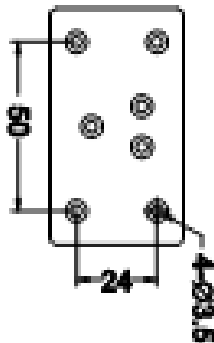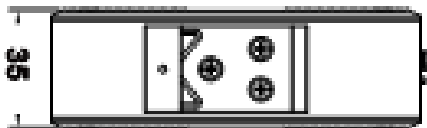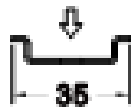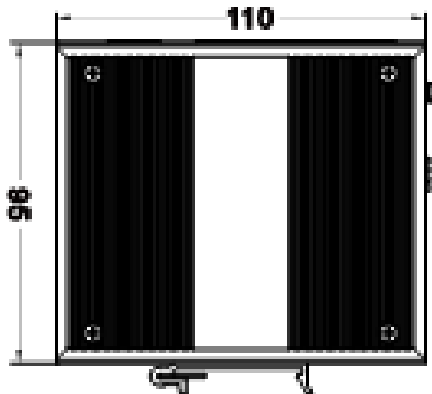
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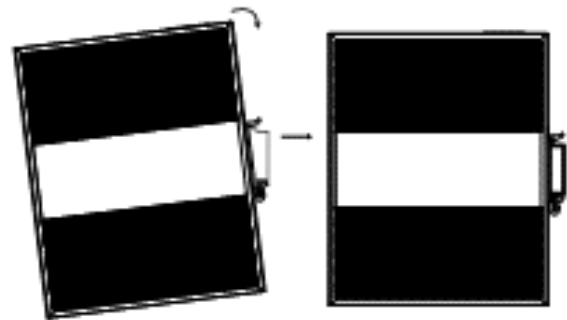FC CE RoHS REACH

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DIMENSIONS

Units: mm

DIN-RAIL MOUNTING

The INE-5GP-2305 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 Pof 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.
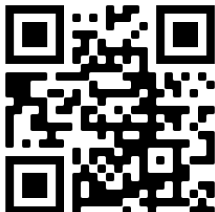
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