

INE-5GP-2305

RUGGED INDUSTRIAL UNMANAGED SWITCH

Unmanaged, 4*10/100/1000Base-T(X) PoE/PoE+ RJ45,
1*10/100/1000Base-T(X) RJ45,
single power supply 44~55VDC,
Optional DIN Rail Mounting



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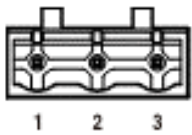
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PRODUCT OVERVIEW

The INE-5GP-2305 is a rugged industrial grade slim unmanaged PoE/PoE+ Gigabit Ethernet switch with 4 PoE/PoE+ Gigabit RJ45 ports, one standard Gigabit RJ45 port, a 44-55VDC single power input, and an attached removeable DIN Rail mount.

POWER SUPPLY CONNECTION



The INE-5GP-2305 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.

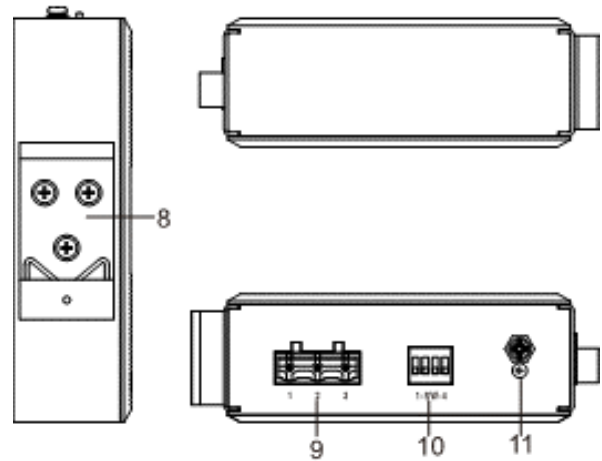
The pin definitions are as follows:

PIN	1	2	3
Definition	V+	FG	V-

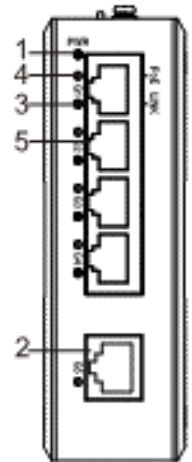
DIP SWITCH SETTINGS

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 1.
4	Port 100M	Set the switch to the ON position to force ports 1-5 to be 100M.

PANEL DESIGN



- Power LED Indicator
- Standard Ethernet Port
- Ethernet Port LED Indicators
- PoE LED Indicators
- PoE/PoE+ Ethernet Ports
- N/A
- N/A
- Removeable DIN Rail Mount
- Power Input Terminal Block
- DIP Switch
- Grounding Screw



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ISO 9001:2015



REVISION: 1.1

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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 802.3ab for 1000BaseTX
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

MAC ADDRESS: 2K

PACKET BUFFER: 1Mbits

BACKPLANE BANDWIDTH: 9.125G

SWITCH TIME DELAY: <10µs

INTERFACE PROPERTIES

RJ45 PORT: 5x 10/100/1000Base-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: port 100M

1G Port	10/100/1000M self-adapting RJ45 port, half/full duplex self-adaption or forced working mode, support MDI/MDI-X self-adaption
1G PoE Port	10/100/1000M RJ45, automatic flow control, MDI/MDI-X autotuning, auto-sensing 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: 1.40 lb (0.60 kg)

MOUNTS: DIN-Rail Mounting

POWER REQUIREMENTS

OPERATION VOLTAGE: 44-55VDC, Single Power Input

CONNECTION: 1x Removable 3-Contact Terminal Block

POWER: No-load: ≤1.4W at 48VDC

CONSUMPTION: 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

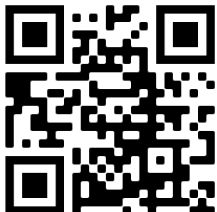
SHOCK: IEC 60068-2-27

VIBRATION: IEC 60068-2-6

GREEN: RoHS and REACH Compliant

MTBF: 412,096 Hours

WARRANTY: 5 Year Replacement



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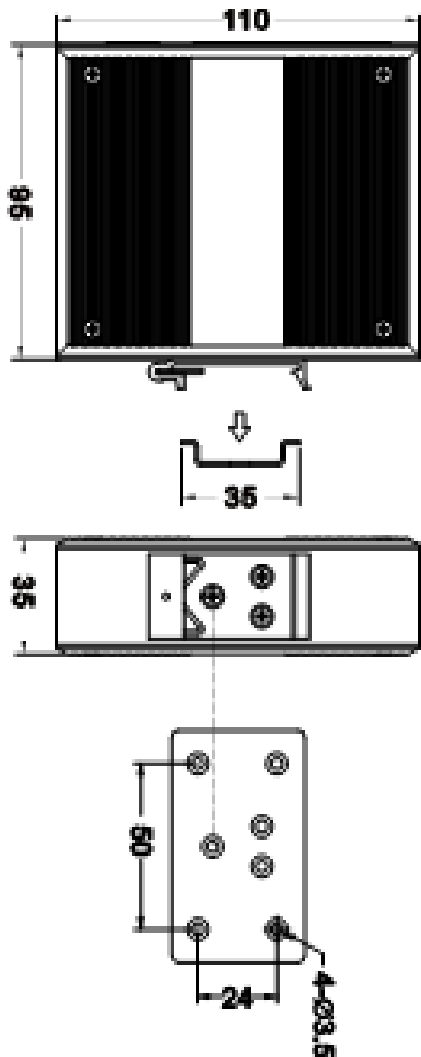
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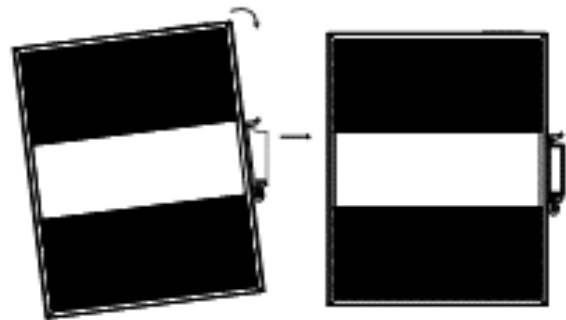
DIMENSIONS

Units: mm



DIN RAIL MOUNTING

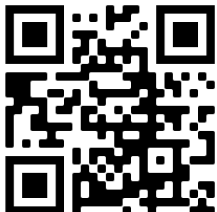
The INE-5GP-2305 includes a removable standard 35mm Din Rail mount which is compatible with most DIN Rail racks. Mounting steps are as follows:



- 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 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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