

# 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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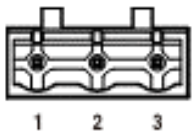
**INDUSTRIAL PROVEN RELIABILITY**



## 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.

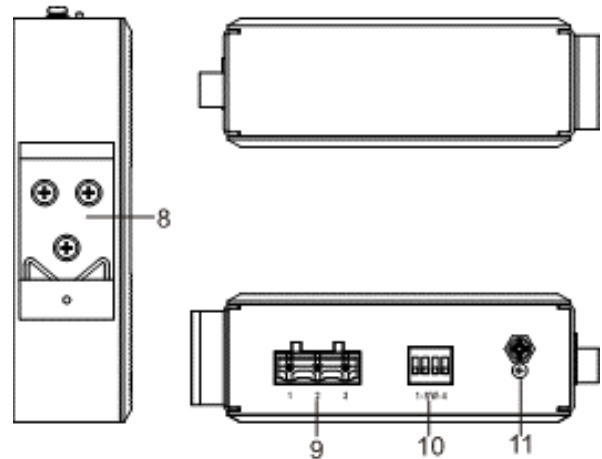
The pin definitions are as follows:

PIN	1	2	3
Definition	V+	FG	V-

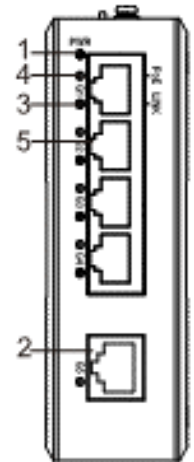
## DIP SWITCH SETTINGS

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: 4.0

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### INDUSTRIAL PROVEN RELIABILITY



## 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

<b>1G Port</b>	10/100/1000M self-adapting RJ45 port, half/full duplex self-adaption or forced working mode, support MDI/MDI-X self-adaption
<b>1G PoE Port</b>	10/100/1000M RJ45, automatic flow control, MDI/MDI-X autotuning, auto-sensing PoE port output power of 4W/15.4W/30W
<b>PoE Pins</b>	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

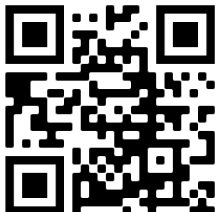
**SHOCK:** IEC 60068-2-27

**VIBRATION:** IEC 60068-2-6

**GREEN:** RoHS and REACH Compliant

**MTBF:** 412,096 Hours

**WARRANTY:** 5 Year Replacement



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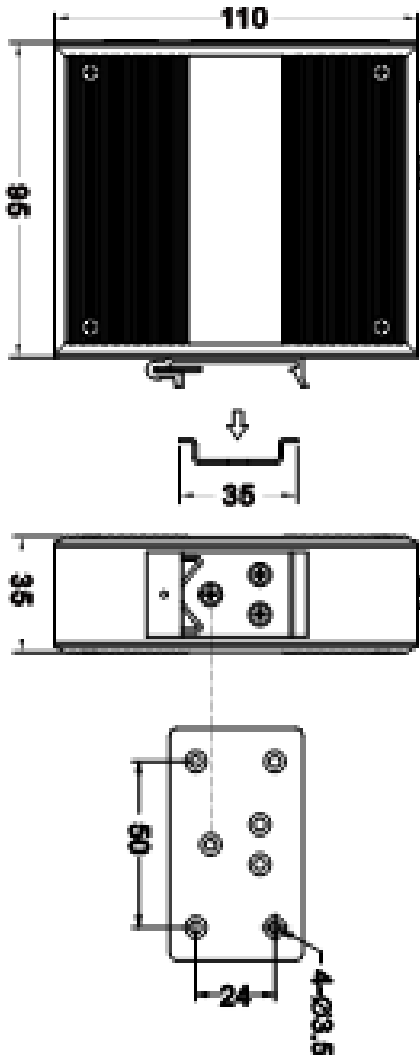
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**INDUSTRIAL PROVEN  
RELIABILITY**



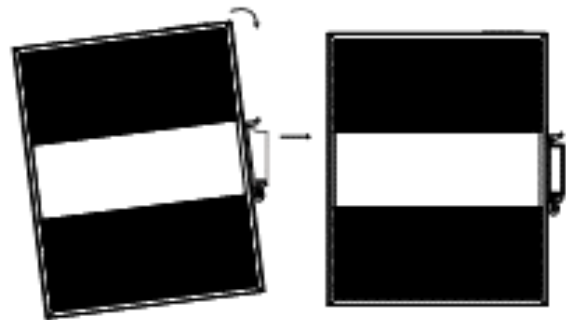
## DIMENSIONS

Units: mm



## DIN RAIL MOUNTING

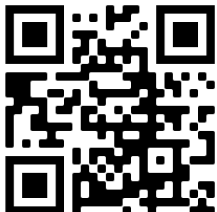
The INE-5GP-2305 includes a removable standard 35mm Din Rail mount which is compatible with most DIN Rail racks. Mounting steps are as follows:



- 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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