



INTELLINET[™]
N E T W O R K S O L U T I O N S

Industrial Slim Type Fast Ethernet Rail Switch

505710 / 505628 Series User's Manual



**Version 1.0
May, 2008.**

Table of Content

Overview	2
1.1 About the 505710 / 505628 unmanaged Industrial Switch	2
1.2 Hardware Features	2
Hardware Installation	3
2.1 Installing Switch on DIN-Rail	3
2.1.1 Mount 505710 / 505628 Series on DIN-Rail	3
2.2 Wall Mounting Installation	4
2.2.1 Mount 505710 / 505628 Series on the wall	4
Hardware Overview	6
3.1 Front Panel	6
3.2 Front Panel LEDs	9
3.3 Bottom Panel	9
3.4 Rear Panel	10
Cables	11
4.1 Ethernet Cables	11
4.1.1 100BASE-TX/10BASE-T Pin Assignments	11
Technical Specifications	12

Overview

1.1 About the 505710 / 505628 unmanaged Industrial Switch

The 505710 / 505628 series are reliable unmanaged industrial switches which can work under wide temperature, dusty environment and humid condition.

1.2 Hardware Features

- Rigid IP-30 protection case design
- 10/100 auto-sensing ports — automatically detect optimal network speeds
- Supports any combination of 10 Mbps or 100 Mbps network devices
- All RJ45 ports with Auto MDI-X and NWay auto-negotiation support
- Store-and-forward switching architecture
- Supports IEEE 802.3x flow control on full duplex and backpressure on half duplex
- Supports 2048 MAC address entries
- LEDs for power, link/activity, power fault indicator
- DIN rail or wall mounting
- Terminal block to provide dual power inputs with reverse-polarity protection

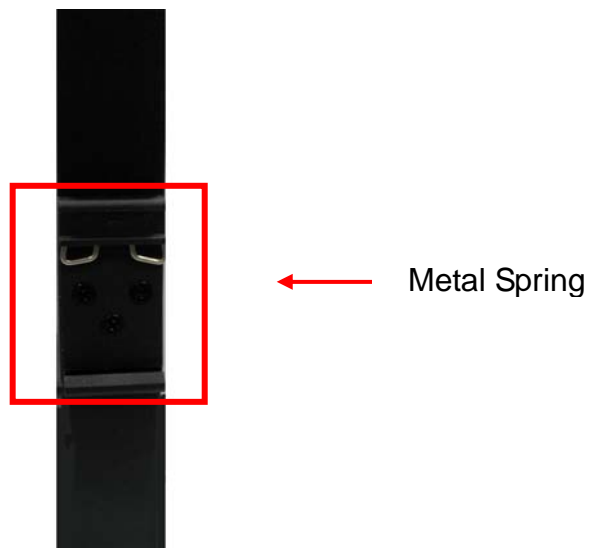
Hardware Installation

2.1 Installing Switch on DIN-Rail

Each switch has a DIN-Rail kit on rear panel. The DIN-Rail kit helps switch to fix on the DIN-Rail. It is easy to install the switch on the DIN-Rail:

2.1.1 Mount 505710 / 505628 Series on DIN-Rail

Step 1: Slant the switch and mount the metal spring to DIN-Rail.



Step 2: Push the switch toward the DIN-Rail until you heard a "click" sound.

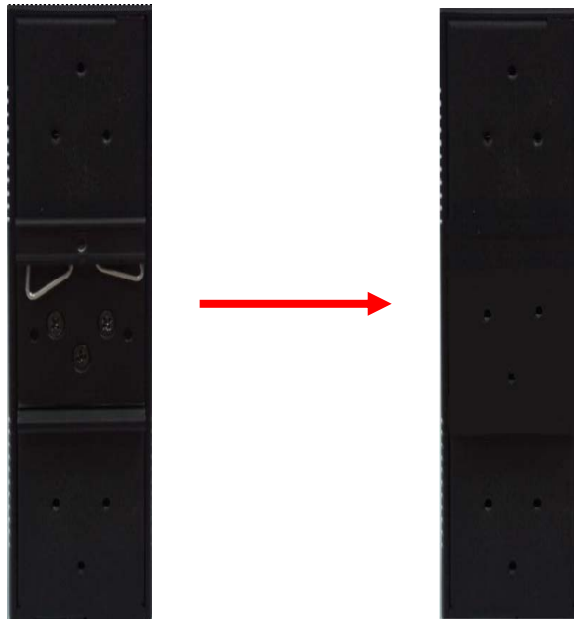


2.2 Wall Mounting Installation

Each switch has another installation method for users to fix the switch. A wall mount panel can be found in the package. The following steps show how to mount the switch on the wall.

2.2.1 Mount 505710 / 505628 Series on the wall

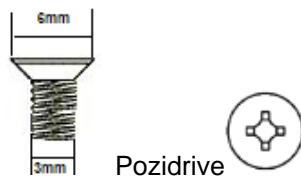
Step 1: Remove DIN-Rail kit.



Step 2: Use 6 screws that can be found in the package to combine the wall mount panel. Just like the picture shows below:



The screws specification shows in the following two pictures. In order to prevent switches from any damage, the screws should not larger than the size that used in 505710 / 505628 series switches.



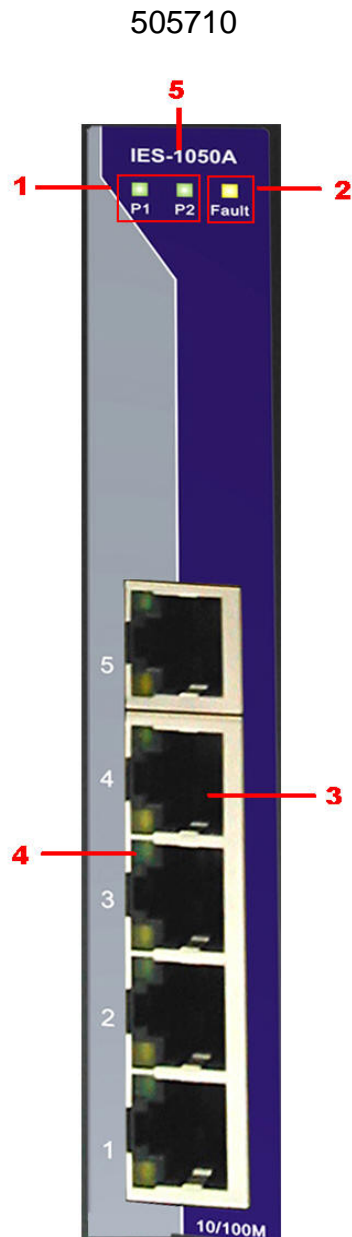
Step 3: Mount the combined switch on the wall.

Hardware Overview

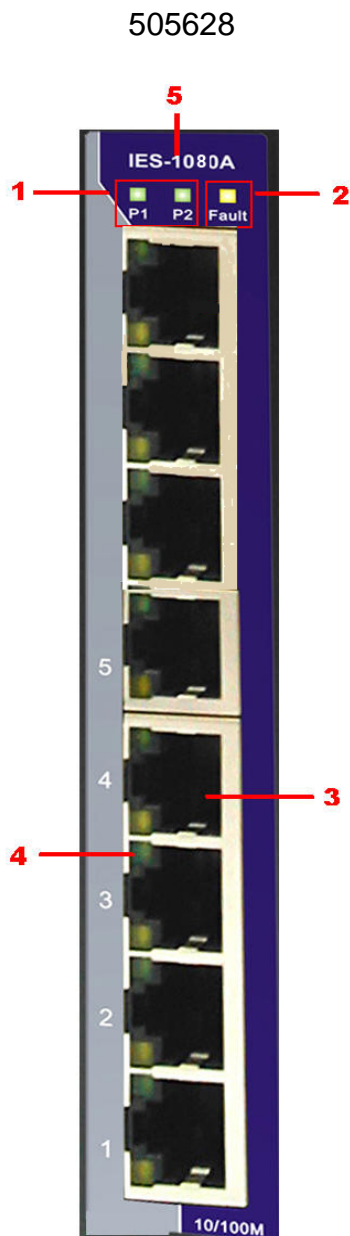
3.1 Front Panel

The following table describes the labels that stick on the IES-1080 / 1062 series.

Port	Description
10/100 RJ-45 fast Ethernet ports	10/100Base-T(X) RJ-45 fast Ethernet ports support auto-negotiation. Default Setting : Speed: auto Duplex: auto Flow control : disable



1. LED for PWR1&PW2. When the PWR1 links, the green led will be light on.
2. LED for Fault Relay. When the power fault occurs, the amber LED will be light on.
3. 10/100Base-T(X) Ethernet ports.
4. LED for Ethernet ports status.
5. Model name



1. LED for PWR1&PW2. When the PWR1 links, the green led will be light on.
2. LED for Fault Relay. When the power fault occurs, the amber LED will be light on.
3. 10/100Base-T(X) Ethernet ports.
4. LED for Ethernet ports status.
5. Model name

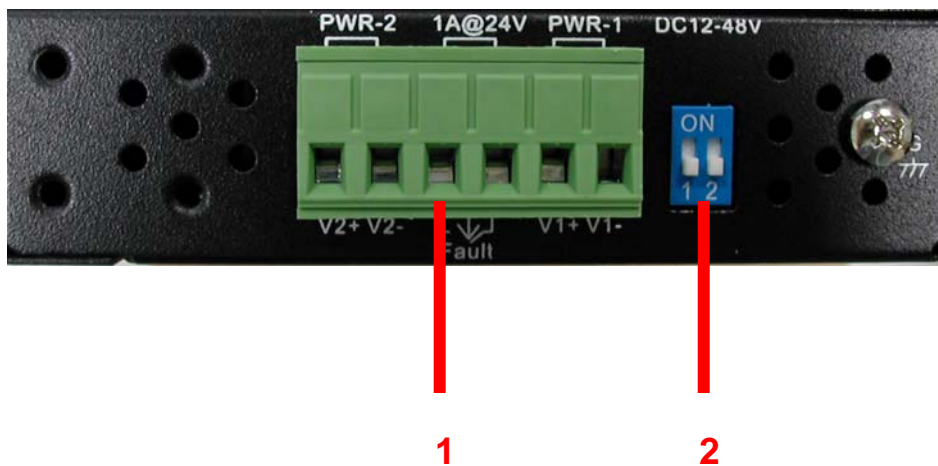
3.2 Front Panel LEDs

LED	Color	Status	Description
PWR1	Green	On	DC power module 1 activated.
PWR2	Green	On	DC power module 2 activated.
Fault	Amber	On	Fault relay. Power failure.
10/100Base-T(X) Fast Ethernet ports			
LNK / ACT	Green	On	Port link up.
		Blinking	Data transmitted.

3.3 Bottom Panel

The bottom panel components of IES-1080 / 1062 Series are shown as below:

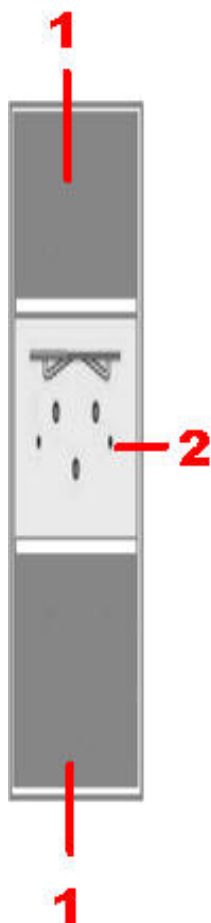
1. Terminal block includes: PWR1, PWR2 (12-48V DC) and Relay output (1A@24VDC).
2. Power Fault Check



3.4 Rear Panel

The components in the rear of IES-1080 / 1062 Series are shown as below:

1. Screw holes for wall mount kit.
2. DIN-Rail kit



Cables

4.1 Ethernet Cables

The 505710 / 505628 series switches have standard Ethernet ports. According to the link type, the switches use CAT 3, 4, 5,5e UTP cables to connect to any other network device (PCs, servers, switches, routers, or hubs). Please refer to the following table for cable specifications.

Cable Types and Specifications

Cable	Type	Max. Length	Connector
10BASE-T	Cat.3, 4, 5 100-ohm	UTP 100 m (328 ft)	RJ-45
100BASE-TX	Cat.5 100-ohm UTP	UTP 100 m (328 ft)	RJ-45

4.1.1 100BASE-TX/10BASE-T Pin Assignments

With 100BASE-TX/10BASE-T cable, pins 1 and 2 are used for transmitting data, and pins 3 and 6 are used for receiving data.

RJ-45 Pin Assignments

Pin Number	Assignment
1	TD+
2	TD-
3	RD+
4	Not used
5	Not used
6	RD-
7	Not used
8	Not used

The 505710 / 505628 Series switches support auto MDI/MDI-X operation. You can use a straight-through cable to connect PC to switch. The following table below shows the 10BASE-T/ 100BASE-TX MDI and MDI-X port pin outs.
MDI/MDI-X pins assignment

Pin Number	MDI port	MDI-X port
1	TD+(transmit)	RD+(receive)
2	TD-(transmit)	RD-(receive)
3	RD+(receive)	TD+(transmit)
4	Not used	Not used
5	Not used	Not used
6	RD-(receive)	TD-(transmit)
7	Not used	Not used
8	Not used	Not used

Note: "+" and "-" signs represent the polarity of the wires that make up each wire pair.

Technical Specifications

ORing Switch Model	505628	505710
Physical Ports		
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX	8	5
Technology		
Ethernet Standards	IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3x for Flow control	
MAC Table	1024 MAC addresses	
Processing	Store-and-Forward	
LED indicators		
Power indicator	Green : Power LED x 2	
Fault indicator	Yellow : Indicate PWR1 or PWR2 failure	
10/100TX RJ45 port indicator	Green for port Link/Act. Yellow for Duplex/Collision	
Fault contact		
Relay	Relay output to carry capacity of 1A at 24VDC	

Power		
Redundant power	Input	Dual DC inputs. 12-48VDC on 6-pin terminal block.
Power consumption (Typ.)		4 Watts 3.5 Watts
Overload protection	current	Present
Reverse protection	polarity	Present
Physical Characteristic		
Enclosure		IP-30
Dimension (W x D x H)		33(W) x 95(D) x 144.3(H) mm (1.30 x 3.74 x 5.68 inch.)
Weight (g)		391 382g
Environmental		
Storage Temperature		-40 to 85°C (-40 to 185°F)
Operating Temperature		-40 to 70°C (-40 to 158°F)
Operating Humidity		5% to 95% Non-condensing
Regulatory approvals		
EMI		FCC Part 15, CISPR (EN55022) class A
EMS		EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11
Shock		IEC60068-2-27
Free Fall		IEC60068-2-32
Vibration		IEC60068-2-6
Safety		EN60950



INTELLINET NETWORK SOLUTIONS™ offers a complete line
of active and passive networking products.

Ask your local computer dealer for more information or visit

www.intellinet-network.com

Copyright © INTELLINET NETWORK SOLUTIONS

All products mentioned are trademarks or registered trademarks of their respective owners.

Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>