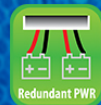


# 3ISYS-ETHI-8C

**INDUSTRIAL 8-PORT SLIM TYPE UNMANAGED GIGABIT POE ETHERNET SWITCH WITH 8X10/100/1000BASE-T(X) P.S.E.**

## FEATURES

- Provide 8x10/100/1000Base-T(X) PoE (P.S.E.) ports
- Support P.S.E. based on IEEE 802.3at standard up to 30 Watts per port
- Supports jumbo frame up to 9KBytes
- Support auto-negotiation and auto-MDI/MDI-X
- Support store and forward transmission
- Support flow control
- Rigid IP-30 housing design
- DIN-Rail and wall mounting enabled



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## PRODUCT OVERVIEW

3ISYS-ETHI-8C is unmanaged PoE Ethernet switch with P.S.E. function. 3ISYS-ETHI-8C supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. 3ISYS-ETHI-8C switch has 8X10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE setup. The wide operating temperature range from -40oC to 70oC can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for PoE Ethernet application.



## PoE Pin Definition

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- 10/100Base-T(X) P.S.E. RJ-45 port

RJ-45 Pin Definition	
Pin No.	Description
#1	TD+ with PoE Power input +
#2	TD- with PoE Power input +
#3	RD+ with PoE Power input -
#6	RD- with PoE Power input -

- 1000Base-T P.S.E. RJ-45 port

RJ-45 Pin Definition	
Pin No.	Description
#1	BI_DA+ with PoE Power input +
#2	BI_DA- with PoE Power input +
#3	BI_DB+ with PoE Power input -
#4	BI_DC+
#5	BI_DC-
#6	BI_DB- with PoE Power input -
#7	BI_DD+
#8	BI_DD-

## Specifications

<b>3iSYS Switch Model</b>	<b>3ISYS-ETHI-8C</b>
<b>Physical Ports</b>	
10/100/1000Base-T(X) Ports in RJ45 With P.S.E.	<b>8</b>
<b>Technology</b>	
Ethernet Standards	IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX IEEE 802.3ab for 1000Base-T IEEE 802.3x for Flow control IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.)
MAC Table	8K MAC addresses
Processing	Store-and-Forward
Jumbo Frame	Up to 9KBytes
<b>LED indicators</b>	
Power indicator	Green : Power LED x 2
Fault indicator	Amber : Indicate PWR1 or PWR2 failure
10/100/1000Base-T(X) RJ45 port indicator and PoE indicator	Green for port Link/Act. Green for PoE power injected.
<b>DIP-Switch</b>	
DIP-Switch 1	Power-1 failed warning : (ON) enable, (OFF) disable
DIP-Switch 2	Power-2 failed warning : (ON) enable, (OFF) disable
<b>Fault contact</b>	
Relay	Relay output to carry capacity of 1A at 24VDC
<b>Power</b>	
Redundant Input power	Dual DC inputs. 50 ~ 57VDC on 6-pin terminal block.
Power consumption (Typ.)	8 Watts (power device not included)
Overload current protection	Present
Reverse polarity	NOT Present

protection	
<b>Physical Characteristic</b>	
Enclosure	IP-30
Dimension (W x D x H)	26.1 (W) x 94.9 (D) x 144.3(H) mm (1.03 x 3.74 x 5.68 inch)
Weight (g)	390 g
<b>Environmental</b>	
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
<b>Regulatory approvals</b>	
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	EN60950-1
<b>Warranty</b>	1 year





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