3ISYS-ETHF-5C/4C1F

INDUSTRIAL 5-PORT SLIM TYPE UNMANAGED GIGABIT ETHERNET SWITCH SERIES

FEATURES

- Supports 5 x 10/100/1000Base-T(X) ports or 1x1000Base-X SFP ports and 4 x 10/100/1000Base-T(X)
- Supports Jumbo Frame up to 10240 Bytes
- Hardware DIP-switch to enable/disable warning function
- Rigid IP-30 slim type housing design
- DIN-Rail and wall mounting enabled

3ISYS
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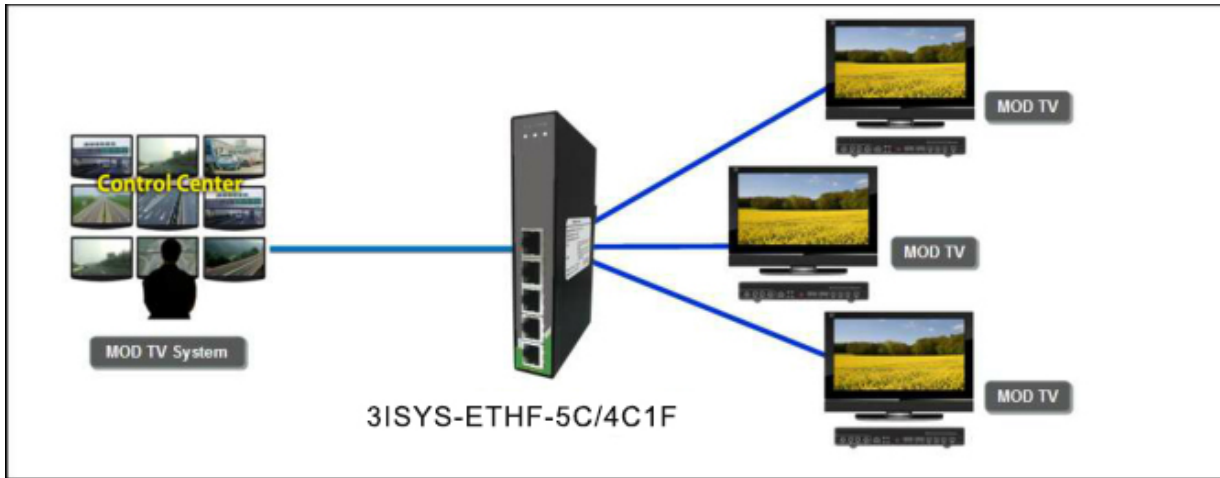
PRODUCT OVERVIEW

3ISYS-ETHF-5C/4C1F series are unmanaged gigabit Ethernet switches with 5 x 10/100/1000Base-T(X) ports or 1 x 1000Base-X SFP ports and 4 x 10/100/1000Base-T(X). 3ISYS-ETHF-5X/1F4C series support redundant power input, rigid IP-30 housing and have DIP switches for enabling or disabling relay output alarm. In addition, the wide operating temperature range from -40oC to 75oC can satisfy most of operating environment.

Practical Operation

3ISYS-ETHF-5C/4C1F can be used in connecting several Ethernet devices like Ethernet I/O, IP-Camera or other Ethernet switches. In addition, there are two different power inputs at terminal block to avoid interruption caused by power down. When the primary DC power input fails, the auxiliary power input will take over immediately to guarantee a non-stop operation.

Connections of Ethernet devices

3ISYS-ETHF-5C/4C1F

Dimension

Unit =mm
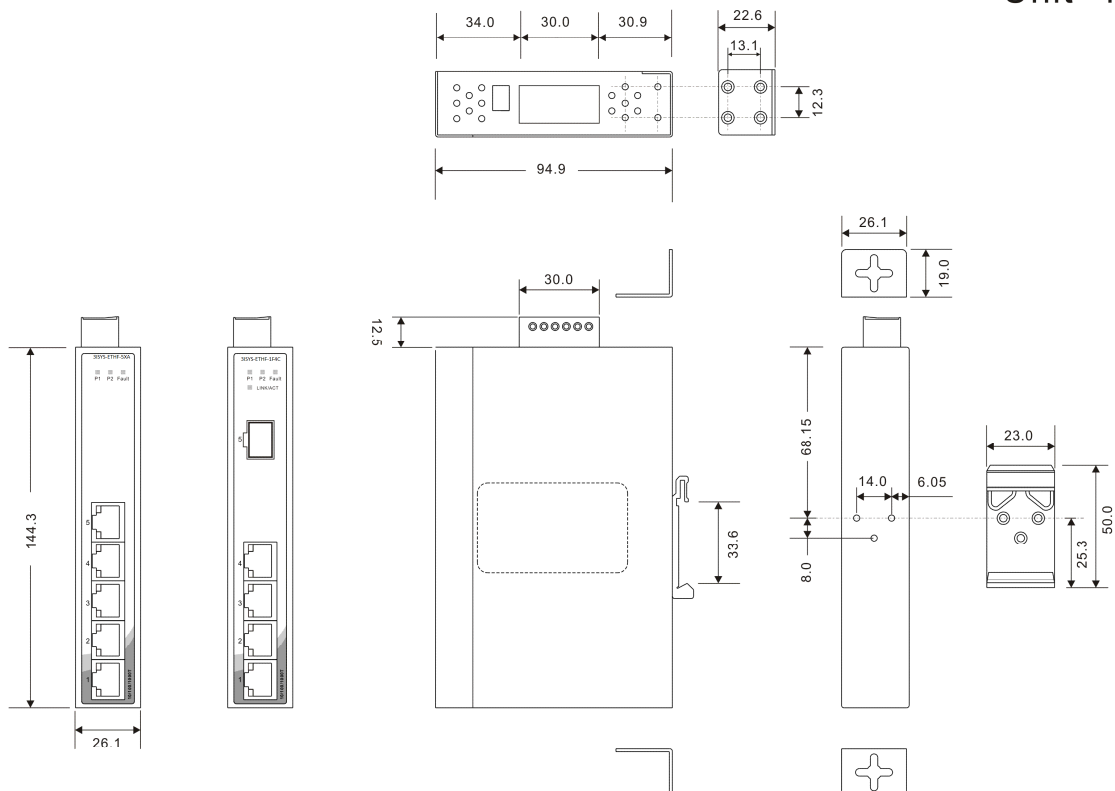
Specifications

3ISYS Switch Model	3ISYS-ETHF-5C	3ISYS-ETHF-4C1F
Physical Ports		
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX	**5**	**4**
1000Base-X SFP Ports	**-**	**1**
Technology		
Ethernet Standards	§ § IEEE 802.3 for 10Base-T § IEEE 802.3u for 100Base-TX § IEEE 802.3z for 1000Base-X § IEEE 802.3ab for 1000Base-T § IEEE 802.3x for Flow control	
MAC Table	1024 MAC addresses	
Processing	Store-and-Forward	
Jumbo Frame	1024 Bytes	
LED Indicators		
Power Indicator	Green : Power LED x 2	
Fault Indicator	Amber : Indicate PWR1 or PWR2 failure	
10/100/1000Base-T(X) RJ45 Port Indicator	Green for port Link / Act Amber for 100Mbps indicator	
1000Base-X SFP Port Indicator	**-**	Green for port Link/Act
Fault contact		
Relay	Relay output to carry capacity of 1A at 24VDC	
Power		
Redundant Input Power	Dual DC inputs. 12~48VDC on 6-pin terminal block.	
Power Consumption (Typ.)	5.5 Watts	
Overload Current Protection	Present	
Reverse Polarity Protection	Present	

Physical Characteristic		
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)	420g	403g
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	EN60950-1	
Warranty	1 year	

Ordering Information

3ISYS-AAAA-C

Module Identifier	Number of 10/100/1000Base-T(X)Ports
Gigabit Fast Ethernet, ETHF	5

3ISYS -AAAA-C -F

Module Identifier	Number of 10/100/1000Base-T(X) Copper Ports	Number of 100/1000Base-X, SFP sockets
Gigabit Fast Ethernet, ETHF	4	1

Packing List

§ **3ISYS-ETHF-5C/4C1F x 1**   § **Quick Installation Guide x 1**   § **DIN-Rail Kit x 1**

§ **Wall-mount Kit x 1**

Optional Accessories

§ **3ISYS-SFP-1G : 1Gbps SFP optical transceiver.**

§ **3ISYS-PWR-45 series : 45 Watts DIN-Rail power supply.**

§ **3ISYS-PWR-75 series : 75 Watts DIN-Rail power supply.**

§ **3ISYS-PWR-120 series : 120 Watts DIN-Rail power supply**

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All specifications are subject to change without further notice. All features with * mark will be available by firmware upgrade.