3ISYS-ETHF-5C/8C

INDUSTRIAL SLIM TYPE 5-PORT/8-PORT UNMANAGED ETHERNET SWITCH

FEATURES

- 5x10/100Base-T(X) ports with auto MDI/MDI-X function
- 8x10/100Base-T(X) ports with auto MDI/MDI-X function
- Auto MDI/MDI-X function
- High performance Store and Forward architecture
- Support flow control
- Integrated address look-up engine, support 2K absolute MAC addresses
- Warning system by Relay output
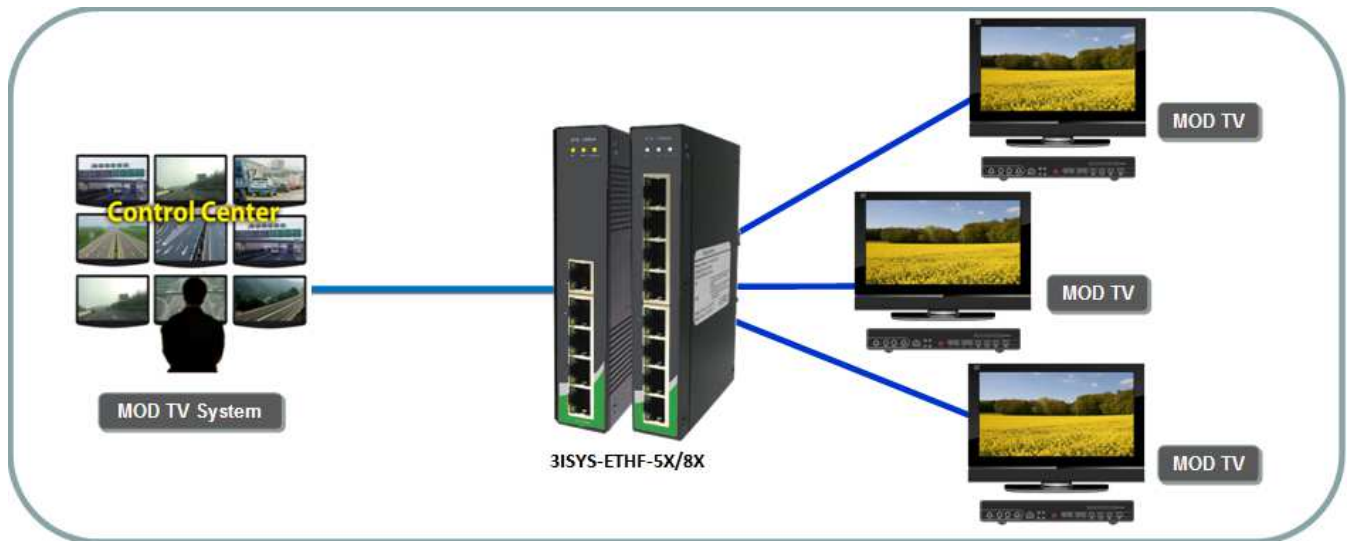- IP-30 metal case / protection
- DIN rail and wall mount design

ROHS ✓　FC　C E　Mini Type　Redundant PWR　-40-70℃ Temperature

3ISYS
INNOVATIVE - INTEGRATED - INTELLIGENT

PRODUCT OVERVIEW

3ISYS-ETHF-5C/8C is an unmanaged Ethernet switches with 5 or 8 x 10/100Base-T(X) ports. 3ISYS-ETHF-5C/8C provides a high level of immunity against electromagnetic interference and heavy electrical surges which are usually found on plant floors or in curb side traffic control cabinets. Being able to operate under the temperature range from -10 to 60 degrees C, the 3ISYS-ETHF-5C/8C can be placed in almost any difficult environment. The 3ISYS-ETHF-5C/8C also possesses an integrated power supply source with wide range of voltages (12 to 48V DC) for worldwide high availability applications requiring dual or backup power inputs.
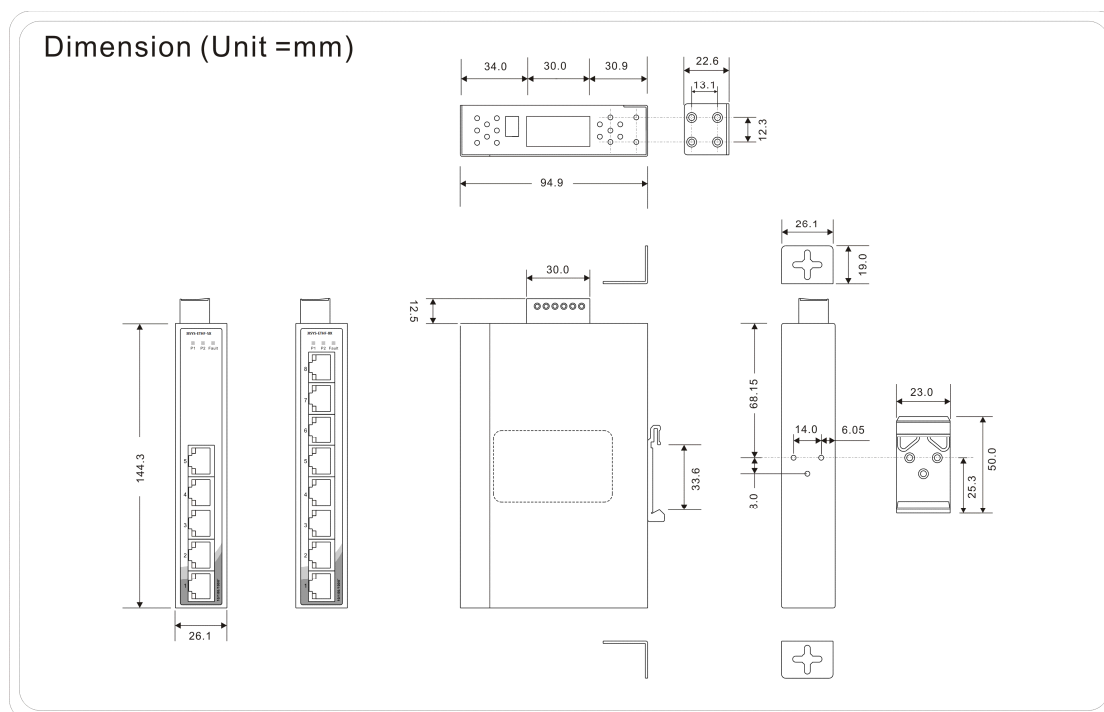
Implementation

3ISYS-ETHF-5C/8C 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 backup power input will take over immediately to guarantee a non-stop operation.

Connections of Ethernet devices

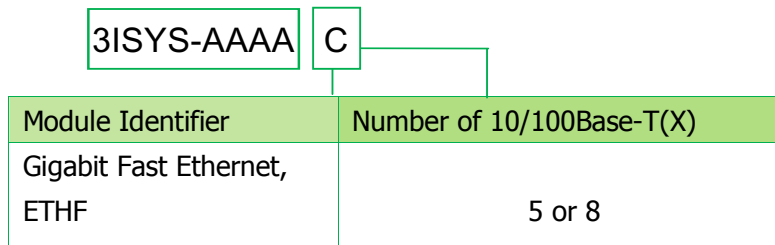## Dimension

Technical Specifications

3ISYS Switch Model	3ISYS-ETHF-8C	3ISYS-ETHF-5C
Physical Ports		
10/100Base-T(X) Ports in RJ45 Auto MDI/MDIX	8	5
Technology		
Ethernet Standards	§ IEEE 802.3 for 10Base-T, § IEEE 802.3u for 100Base-TX § IEEE 802.3x for Flow control	
MAC Table	2048 MAC addresses	
Buffer Size	1Mbits	
Processing	Store-and-Forward	
LED Indicators		
Power Indicator	Green : Power LED x 2	
Fault Indicator	Amber : Indicate PWR1 or PWR2 failure	
10/100Base-T(X) RJ45 Port Indicator	Green for port Link/Act. Amber for Duplex/Collision	
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.)	4 Watts	3.5 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)	391g	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	EN60950-1
MTBF	707,879 hours
Warranty	1 year

Ordering Information

3ISYS-AAAA C

Module Identifier	Number of 10/100Base-T(X)
Gigabit Fast Ethernet, ETHF	5 or 8

Items Included

- **3ISYS-ETHF-5C/8C x 1**
- **Wall-mount Kit x 1**
- **Quick Installation Guide x 1**
- **DIN-Rail Kit x 1**

Optional Accessories

- **3ISYS-PWR-45 series : 45 Watts DIN-Rail power supply**
- **3ISYS-PWR-120 series : 120 Watts DIN-Rail power supply**
- **3ISYS-PWR-75 series : 75 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.