

IES-M080-300 and IES-M080E-300

8*10/100TX Managed Industrial Switch



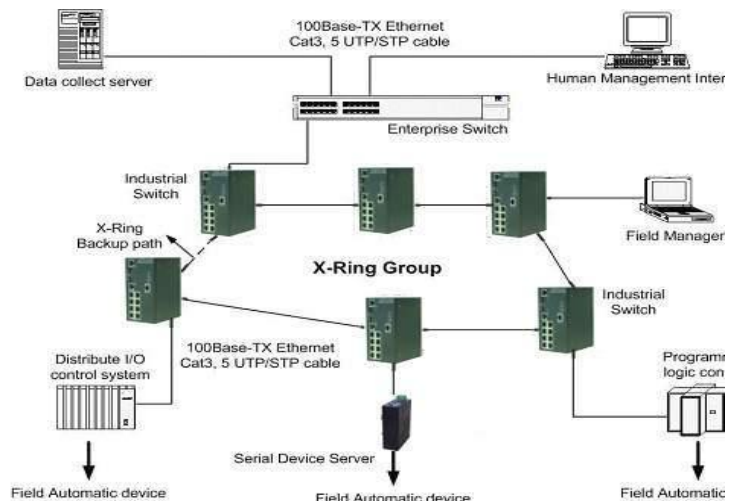
Highlights

- Designed to meet with critical environment
- Support Broadcast/Multicast Packet Filter Control
- Redundant power input guarantee a non-stop operation
- Optional DC power jack for power adapter
- Extreme-fast ring fault recovery for less than 20ms
- Support Couple ring, Dual homing, X-ring

X-Ring Application

X-Ring supports the fastest redundant recovery time at 300ms which make a non-stop Ethernet connection.

If the primary communication path is disconnected the redundant ring technology provides a redundant path in the network. The following figure is a sample X-Ring application



Features

- **Management**
 - SNMP v1 v2c, Web interface management
- **VLAN**
 - Port based VLAN
 - IEEE802.1Q Tag VLAN
- **Security**
 - IP security: Support 10 IP addresses that have permission to access the switch management
 - System Event Log (System log server/Client, SMTP email Alarm, Relay Alarm output System event)
 - SNMP trap
- **QoS (Quality of Service):**

The quality of service determined by port, Tag and IPv4 Type of service
- **CoS (Class of Service):**
 - Support IEEE802.1p class of service,
 - per port provides 4 priority queues
 - Port Base,Tag Base and type of service priority
- **Spanning tree**
 - Support IEEE802.1d Spanning Tree
 - Support IEEE802.1w Rapid Spanning Tree
- **Bandwidth Control**
 - Ingress Packet Filter and Egress Rate Limit
 - Broadcast/ Multicast Packet Filter Control
- **Port Mirror: Monitor traffic in switched networks**
 - TX packet only
 - Both of TX and RX Packet
- **IGMP snooping with Query mode for Multi Media Application**
- **TFTPO Firmware Update and System Configure Restore and Backup**
- **X-ring**
 - Support X-Ring, Dual Homing, and Couple Ring
 - Provide redundant backup recovery time below 300ms
- **Provide DHCP client function to obtain IP address from DHCP server**

Specification

Technology		Mechanical	
Standards	IEEE802.3 10Base-T,	Casing	Metal Case with IP-30 protection
	IEEE802.3u 100Base-TX/100Base-FX	Dimensions	54mm (W) x 105mm (D) x 135mm (H)
	IEEE802.3x, Flow Control and Back Pressure	Installation	wall mount or DIN-type
	IEEE802.1d Spanning Tree	Environment	
	IEEE802.1w Rapid Spanning Tree	Operating Temperature	Standard: (-10°C~60°C)
	IEEE802.1p Class of Service		E-Model: (-40°C~75°C)
	IEEE802.1Q VLAN Tag	Storage Temperature	-40°C~85°C
Packet Buffer Memory	1Mbits	Ambient Relative Humidity	5%~95% (Non-condensing)
Processing Type	Store and Forward	Regulatory Approvals	
Address Table Size	2K MAC addresses	Safety	UL, cUL, FCC Class A ,CE EN60950-1
Interface		EMS	CE EN61000-4-2 (ESD),
LED Indicators	Per unit: Power(Green), Power1 (Green),		CE EN61000-4-3 (RS),
	Power 2 (Green), Fault (Yellow), Master (Green)		CE EN61000-4-4 (EFT)
	Per Port: ink/Activity (Green),		CE EN61000-4-5 (Surge)
	Full duplex/Collision (Yellow)		CE EN61000-4-6 (CS)
RJ45 Ports	10/100TX:8 x RJ-45 with auto MDI/MDI-X		CE EN61000-4-8
	function		CE EN61000-4-11
Dip Switch	9 DIP-switch for configuring the relay alarm		CE EN61000-4-12
	operation mode and the ring master		CE EN61000-6-2
	operation mode		CE EN61000-6-4
DC Power Jack	Optional DC power adapter	Environmental Test	IEC60068-2-32(Freefall)
Terminal Block	Redundant power input with alarm system		IEC60068-2-27 (Shock)
Power			IEC60068-2-6 (Vibration)
Input	DC 12~48V, Redundant power connective removable terminal block for master and slave power		
	DC power jack		
Power Consumption	6W Max.		
Reverse Polarity Protection	Present		

Ordering information

IES-M080-300	8 10/100TX with X-Ring Managed Industrial Switch, -10C~60C
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