

IGS-M044GB and IGS-M044GBE

8 ports: 4 X 10/100/1000Base T + 4 X 100/1000 SFP w/ X-Ring Managed Industrial Switch



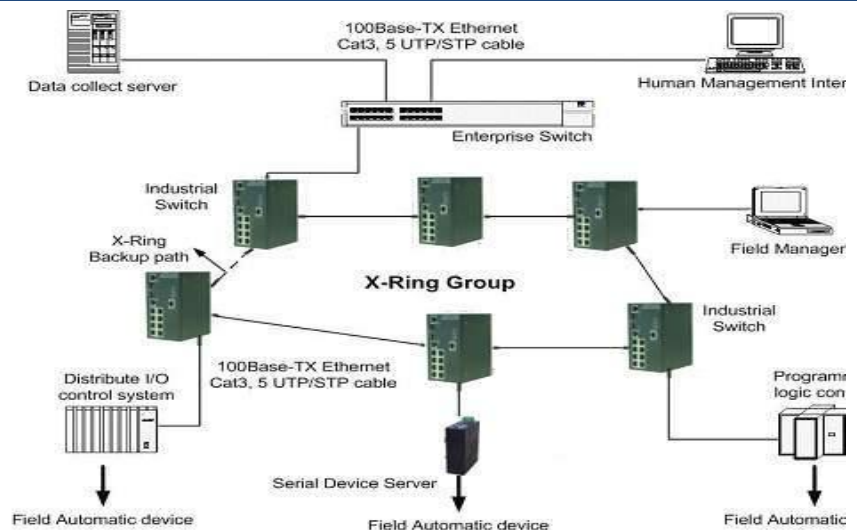
Highlights

- Flexible ring topology for faster fault recovery speed (Recovery time below 20 ms)
- Supports X-ring, Dual Homing, Couple Ring
- Supports SNMPv1/v2/v3 & RMON & Port based/802.1Q VLAN network management
- Redundant power inputs guarantee a non-stop operation
- Relay alarm for port breakdown, power fail
- Event notification through syslog, Email, SNMP trap and relay output

Redundant-Ring Application

X-Ring Supports the fastest redundant recovery time 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 redundant Ring application



Features

- Management
 - SNMP v1 v2c, v3
 - Web/Telnet/CLI management interfaces
 - Remote monitoring(RMON)
 - Rich set of diagnostics with logging and alarms
- System Interface/Performance
 - RJ-45 port Supports Auto MDI/MDI-X Function
 - SFP connector to 1000BaseX SFP fiber transceiver
 - Store-and-Forward Switching Architecture
 - Switching bandwidth: 5.6Gbps
- VLAN
 - Port Based VLAN
 - Supports 802.1q VLAN tagging and GVRP
- Security
 - Port Security: MAC based port security
 - Login Security: IEEE802.1X network access control
 - Radius centralized password management
- QoS (Quality of Service)
 - Supports IEEE 802.1p Class of Service for real-time traffic
 - Per port provides 4 priority queues
 - TOS/Diffserv supported
- Redundant -Ring
 - Supports Redundant Ring, Dual Homing, Couple Ring and Topology
 - Provide redundant backup feature and the recovery time below 20ms
- Provide DHCP Client/ DHCP Server functions
- Supports TFTP firmware update, TFTP backup and restore.
- Port Trunk with LACP: 4 Trunk groups/Maximum 4 trunk members
- Supports SNTP to synchronize system clock in Internet
- Supports SMTP Server and 6 e-mail accounts for receiving event alert
- Supports IGMP snooping for multicast filtering
- Provide DNS client feature and Supports primary and secondary DNS server
- Supports 3 port mirroring types- RX ;TX and both packet

4 10/100/1000Base T + 4 100/1000 SFP X-Ring Managed Industrial Switch

Specification

Technology		Mechanical	
Standards	IEEE 802.3 10Base-T Ethernet	Casing	IP 30 Protection Metal case
	IEEE 802.3u 100Base-TX	Dimensions	72mm (W) x 105mm (D) x 152mm(H)
	IEEE802.3ab 1000Base-T	Installation	DIN Rail and Wall Mount Design
	IEEE802.3z Gigabit fiber	Environment	
	IEEE802.3x Flow Control and Back Pressure	Operating Temperature	Standard version: -10°C~60°C Extended version: -40°C~75°C
	IEEE802.3ad Port trunk with LACP	Storage Temperature	-40°C to 85°C
	IEEE802.1d Spanning Tree	Ambient Relative Humidity	5% to 95% (Non-condensing)
	IEEE802.1w Rapid Spanning Tree	Regulatory Approvals	
	IEEE802.1p Class of Service	EMI	FCC Part 15, CISPR (EN55022) Class A
	IEEE802.1q VLAN Tag	EMS	CE EN61000-4-2 (ESD)
	IEEE 802.1x Port Based Network Access Control		CE EN61000-4-3 (RS)
Processing Type	Store-and-Forward		CE EN-61000-4-4 (EFT)
Address Table Size	8K MAC addresses		CE EN61000-4-5 (Surge) Level 3
Interface			CE EN61000-4-6 (CS) Level 3
LED Indicators	Per unit :PWR, RM, Fault	Environmental Test	IEC60068-2-32 (Free fall),
	Giga Copper :Link/Activity, Speed		IEC60068-2-27 (Shock),
	SFP: Link/Activity		IEC60068-2-6 (Vibration)
RJ45 Ports	4 Ports 10/100/1000T Copper	Warranty	5 years
Fiber Ports	4 Ports 100/1000 SFP sockets Selectable		
Console	1x RJ45 connector		
Terminal Block	Redundant power input design with alarm system		
Power			
Input Voltage	PWR1/2: 12~48VDC in 7-pin Terminal block		
Power Consumption	10 Watts max.		
Reverse Polarity Protection	Present		

Ordering information

IGS-M044GBP/N: 8350-800

4 X 10/100/1000T + 4 X 100/1000 Dual Speed SFP w/ Redundant-Ring Managed Industrial Switch, -10C to 60C

IGS-M044GBEP/N: 8350-801

4 X 10/100/1000T + 4 X 100/1000 Dual Speed SFP w/ Redundant-Ring Managed Industrial Switch, -40C to 750C