IGS-0008

8 10/100/1000T Industrial Switch

- *Supports 9720bytes jumbo frame*
- *Wide-range redundant power with polarity reverse protection*
- *Provides ESD/ EFT protection*
- *DIN rail and wall mount design with IP-30 enclosure*

OVERVIEW

The Lantech IGS-0008 is a 8-Port 10/100/1000T Industrial Switch. To increase reliability, it provides redundant power design with polarity reverse protection. It can auto detect power inputs and supports wide input range from 12V to 48VDC.

For better network performance and stability, the IGS-0008 provides 192Kbytes memory buffer and broadcast storm protection. It also supports jumbo frame transmission up to 9720bytes.

The IGS-0008 is designed to meet the demands of industrial environments, comes packaged in a robust IP-30 housing and has been tested extensively to meet Industrial EMI and EMC standards. Rigorous mechanical testing has also been undertaken with free fall, shock, and vibration stability test, which ensure long term reliability in critical industrial environments.

IGS-0008 is compact in size and easy to be installed with DIN rail and wall mount kits. IGS-0008 is applicable in many kinds of industrial environments.

FEATURES & BENEFITS

- **8-port 10/100/1000T industrial switch**
- **Supports jumbo frame transmission up to 9720bytes**
- **RJ-45 port support Auto MDI/MDI-X Function**
- **Store-and-Forward Switching Architecture**
- **Back-plane (Switching Fabric): 16Gbps**
- **192Kbytes Memory Buffer**
- **4K MAC Address Table**
- **Wide-range redundant power design**

- **Power polarity reverse protection**
- **Overload Current Re-settable Fuse Present**
- **Provides EFT protection 3000 VDC for power line**
- **Supports 6000 VDC Ethernet ESD protection**
- **Provides broadcast storm protection**
- **Relay alarm output for power failure events**
- **DIN rail and wall mount design with IP-30 enclosure**

SPECIFICATION

Hardware Specification

Standards	IEEE 802.3 10Base-T		Transfer Rate	@64bytes
	IEEE 802.3u 100Base-TX			14,880pps for Ethernet port
	IEEE 802.3ab 1000Base-T			148,800pps for Fast Ethernet port
	IEEE802.3x Flow Control and Back Pressure			1,488,000pps for Gigabit Fiber Ethernet port
Switch	Back-plane (Switching Fabric): 16Gbps		Memory Buffer	192Kbytes
Architecture	Packet throughput ability (Full-Duplex): 23.8Mpps		Mac Address	4K MAC address table
			Jumbo Frame	9720bytes

Datasheet Version 1.0

Connectors	10/100/1000T: 8 x RJ-45
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m)
	100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)
Protocol	CSMA/CD
LED	Per unit: Power 1 (Green), Power 2 (Green), Fault(Red)
	Per port: Link/Activity (Green), Speed (1000Mbps Green)
Reserve polarity protection	Present
Overload current protection	Resettable Fuse, 1.6A
Power Supply	12~48 VDC, Redundant power with polarity reverse protect function and removable terminal block
Power Consumption	5.18 Watts @ 48V
Operating Humidity	5% ~ 95% (Non-condensing)
Operating Temperature	-20°C~60°C / -4°F~140°F
Storage	-40°C~85°C / -40°F~185°F

Temperature	
Case Dimension	Metal case. IP-30, 38mm (W) x 95mm (D) x 140mm (H)
Installation	DIN Rail and Wall Mount Design
EMI & EMS	FCC Class A, CE EN61000-4-2 (ESD), CE EN61000-4-3 (RS), CE EN-61000-4-4 (EFT), CE EN61000-4-5 (Surge), CE EN61000-4-6 (CS), CE EN61000-4-8, CE EN61000-4-11, CE EN61000-4-12, CE EN61000-6-2, CE EN61000-6-4
Safety	UL, cUL, CE/EN60950-1
Stability Testing	IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)
Warranty	5 years

ORDERING INFOMATION

■ **IGS-0008…………...……......P/N: 8350-830**
8 10/100/1000T Industrial Switch, Standard Operating Temperature (-20°C~60°C)

OPTIONAL ACCESSORIES

DIN Rail Power

■ **AD1048-24FS**   24VDC, 2A, Wide AC Input, Convection Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C
■ **AD1024-24F**   24VDC, 1A, Wide AC Input, Convection Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C
■ **AD1240-48S**   48VDC, 5A, Wide AC Input, Build-in fan Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C
■ **AD1120-48F**   48VDC, 2.5A, Wide AC Input, Build-in fan Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C