IGS-0008B

8 10/100/1000T Industrial Switch

- *Supports 10K bytes jumbo frame*
- *Wide-range dual isolated power 9.5~60V input*
- *Provides ESD/ EFT protection; Voltage transient protection*
- *DIN rail and wall mount** design with IP30 enclosure*

FCC CE RoHS

OVERVIEW

The Lantech IGS-0008B is a 8-Port 10/100/1000T Industrial Switch. To increase reliability, it provides redundant power design where can auto detect power inputs and supports wide isolated dual input range from 9.5V to 60VDC.

For better network performance and stability, the IGS-0008B supports jumbo frame transmission up to 10K bytes.

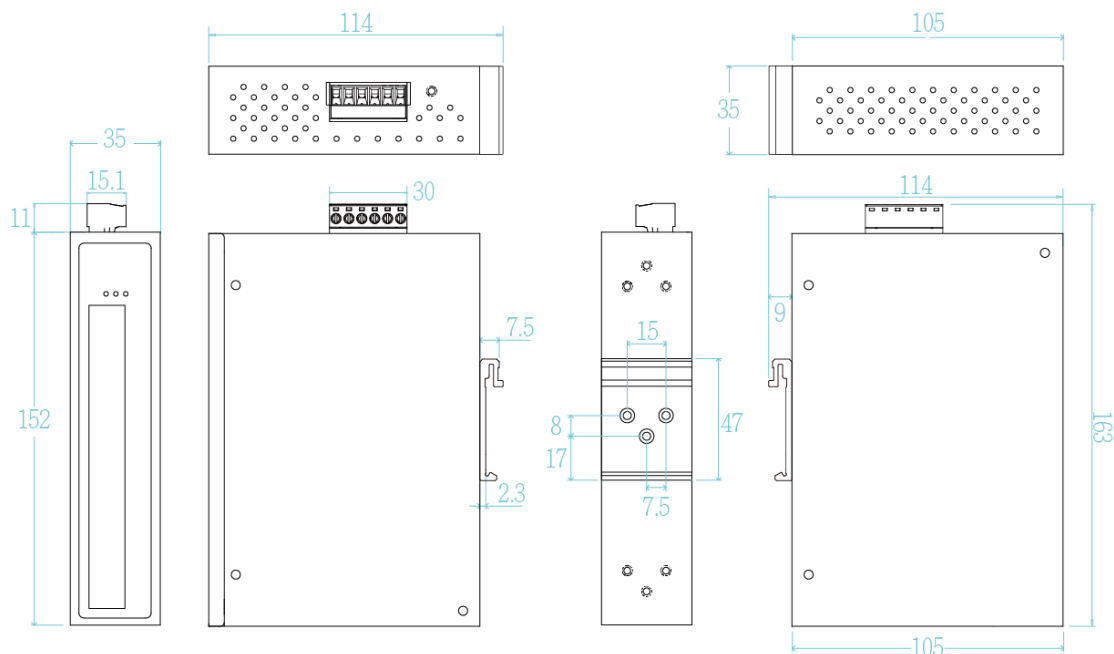The IGS-0008B is designed to meet the demands of industrial environments, comes packaged in a robust IP-30 housing and has been tested extensively to meet Industrial EMI and EMC standards. Rigorous mechanical testing has also been undertaken with free fall, shock, and vibration stability test, which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

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

FEATURES & BENEFITS

- **8-port 10/100/1000T industrial switch**
- **Supports jumbo frame transmission up to 10Kbytes**
- **RJ-45 port support Auto MDI/MDI-X Function**
- **Store-and-Forward Switching Architecture**
- **Back-plane (Switching Fabric): 16Gbps**
- **16K MAC Address Table**
- **Wide-range dual isolated power input 9.5V~60VDC**

- **Provides EFT protection 2000VDC for power line**
- **Supports 6000 VDC Ethernet ESD protection**
- **Voltage transient protection on all power and signal input/output lines**
- **Relay alarm output for power failure events**
- **DIN rail and wall mount** design with IP-30 enclosure**

DIMENSIONS (unit=mm)

SPECIFICATION

Hardware Specification

Standards	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE802.3x Flow Control and Back Pressure
Switch Architecture	Back-plane (Switching Fabric): 16Gbps
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port 1,488,000pps for Gigabit Ethernet / Gigabit Fiber port
Mac Address	16K MAC address table
Jumbo Frame	10Kbytes
Connectors	10/100/1000T: 8 x RJ-45
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5, 6 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5, 6 cable EIA/TIA-568 100-ohm (100m)
Protocol	CSMA/CD
LED	Per unit: Power 1 (Green), Power 2 (Green), Fault(Amber) Per port: Link/Activity (Green), Speed (1000Mbps Amber)
Reserve polarity protection	Present
Power Supply	9.5~60VDC, Dual isolated input with removable terminal block

Power Consumption	3 Watts
Operating Humidity	5% ~ 95% (Non-condensing)
Operating Temperature	-20°C~60°C / -4°F~140°F (Standard model) -40°C~75°C / -40°F~167°F (-E model)
Storage Temperature	-40°C~85°C / -40°F~185°F
Case Dimension	Metal case. IP30, 35mm (W) x 152mm (H) x 105mm (D)
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 EN55032 Class A, CE EN55024
Stability Testing	IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)
Warranty	5 years

**Optional

ORDERING INFOMATION

■ **IGS-0008B…………...……........P/N: 8350-835**
   8 10/100/1000T Industrial Switch, dual isolated power input, standard Operating Temperature (-20°C~60°C)

■ **IGS-0008B-E………...……….......P/N: 8350-836**
   8 10/100/1000T Industrial Switch, dual isolated power input, Extended Operating Temperature (-40°C~75°C)

OPTIONAL ACCESSORIES

DIN Rail Power

■ **MDR-40 Series** 40W Single Output Industrial Din Rail Power; 85-264VAC / 120-370VDC Input Range; Cooling by free air convection; RoHS2 ; Operating Temp. -20°C~70°C (ambient, derating each output at 4% per degree from 60°C ~ 70°C)

■ **MDR-20 Series** 20W Single Output Industrial Din Rail Power; 85-264VAC / 120-370VDC Input Range; Cooling by free air convection; RoHS2 ; Operating Temp. -20°C~70°C (ambient, derating each output at 2.5% per degree from 50°C ~ 70°C)