

IGS-0208GSFP

8 10/100/1000T + 2 1000M SFP Industrial
Unmanaged Switch

- Dual 9.5V~60VDC dual power input
- Relay alarm output system events



OVERVIEW

Lantech IGS-0208GSFP is a high performance all Gigabit switch with 8 10/100/1000T + 2x 1000M SFP.

Dual power input 9.5V~60VDC

The Lantech IGS-0208GSFP is designed with dual power input from 9.5V to 60VDC. Featured with relay contact alarm function, the IGS-0208GSFP is able to connect with alarm system in case of power failure.

High reliability; EFT and ESD protection and extended working temperature

Lantech IGS-0208GSFP provides $\pm 2000V$ EFT and $\pm 6000V$

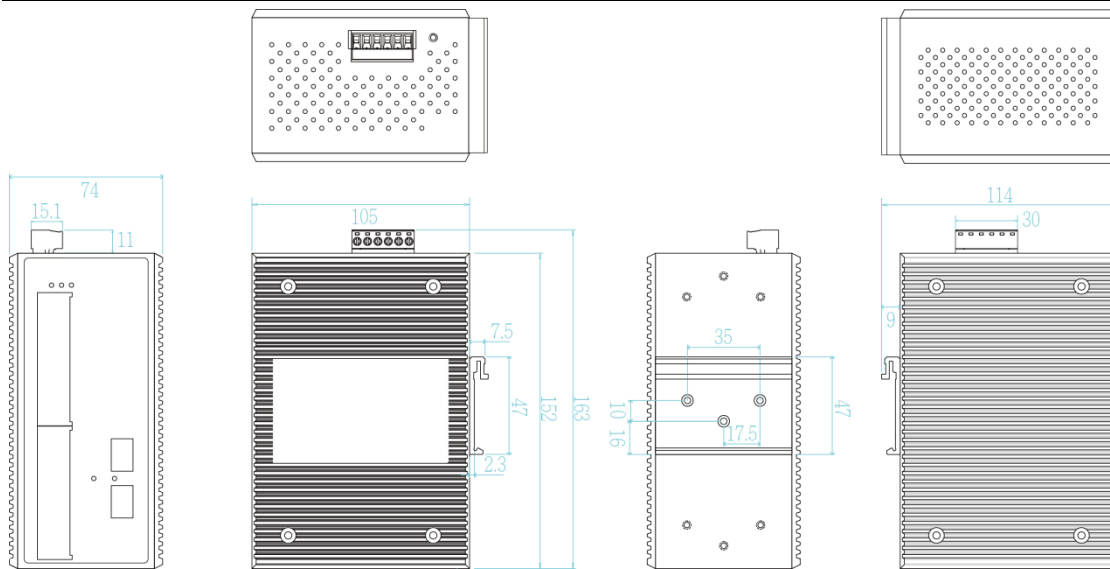
ESD protection, which can reduce unstable situation caused by power line and Ethernet. It has high reliability and robustness coping with extensive EMI/RFI phenomenon, environmental vibration and shocks usually found in Automation, transportation, surveillance, Wireless backhaul, Semiconductor factory and assembly lines.

The -E model can be used in extreme environments with an operating temperature range of $-40^{\circ}C$ to $75^{\circ}C$.

FEATURES & BENEFITS

- 8 10/100/1000T + 2 1000M SFP (Total 10 Ports Switch)
- Dual 9.5V~60VDC power input
- Back-plane (Switching Fabric): 20Gbps
- 10 KB Jumbo frame supported
- Provides EFT protection ± 2000 VDC for power line.
- Supports ± 6000 VDC Ethernet ESD protection
- Relay alarm output system events
- IP30 metal housing with DIN rail and Wall-mount** design

DIMENSIONS (unit=mm)



SPECIFICATION

Hardware Specification	
Standards	IEEE802.3 10Base-T Ethernet IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T Ethernet IEEE802.3z Gigabit fiber IEEE802.3x Flow Control and Back Pressure
Switch Architecture	Back-plane (Switching Fabric): 20Gbps
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	10 KB
Connectors	10/100/1000T: 8 x ports RJ-45 with Auto MDI/MDI-X function SFP port: 2 x 1000M Power & P-Fail connector: 1 x 6-pole terminal block
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5/ 5E/ 6 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5/ 5E/ 6 cable EIA/TIA-568 100-ohm (100m) 1000Base-TX: 2-pair UTP/STP Cat. 5/ 5E/ 6 cable EIA/TIA-568 100-ohm (100m)
Optical Cable	1.25Gbps: Multi mode: 0 to 550 m, 850 nm (50/125 μm); 0 to 2 km, 1310 nm (50/125 μm) Single mode: 0 to 10 km/ 30 km/ 40 km, 1310 nm (9/125 μm); 0 to 50 km/ 60 km/ 80km/ 120 km, 1550 nm (9/125 μm) WDM 1.25Gbps: Single mode: 0 to 10 km/ 20 km/ 40 km/ 60 km, 1310 nm (9/125 μm); 0 to 80 km, 1490 nm (9/125 μm); 0 to 10 km/ 20 km/ 40 km/ 60 km/ 80 km, 1550 nm (9/125 μm)
Protocol	CSMA/CD
LED	Per unit: Power 1 (Green), Power 2 (Green), P-Fail (Red) Ethernet port: Link/Activity (Green) Mini-GBIC: Link/Activity (Green)
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
Power Supply	9.5V~60VDC dual input
Power Consumption	10W
Case Dimension	Metal case. IP-30, 74 (W) x 114 (D) x 152 (H) mm
Weight	900 g
Installation	DIN Rail and Wall Mount** Design
Relay Alarm	Provides one relay output for port breakdown, power fail and alarm. Alarm Relay current carry ability: 1A @ DC24V
EMI & EMS	FCC Part 15 Class A IEC/EN61000-6-2 CE EN55032 Class A CE EN55024: CE EN61000-4-2 (ESD) Level 3 CE EN61000-4-3 (RS) Level 3 CE EN61000-4-4 (EFT) Level 3 CE EN61000-4-5 ED3 (Surge) Level 3 CE EN61000-4-6 (CS) Level 3 CE EN61000-4-8 (Magnetic field) Level 3
Safety	EN62368 (LVD)
Stability Testing	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)
MTBF	1,052,616 (Hrs)
Warranty	5 years

*Future Release
**Optional

ORDERING INFORMATION

- **IGS-0208GSFP.....P/N: 8350-9942**
8 10/100/1000T + 2 1000M SFP Industrial Switch; dual 9.5-60VDC input; -20°C to 60°C
- **IGS-0208GSFP-E.....P/N: 8350-9943**
8 10/100/1000T + 2 1000M SFP Industrial Switch; dual 9.5-60VDC input; -40°C to 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)

Mini GBIC (SFP)

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| ■ 8330-162X MINI GBIC 1000SX (LC/0.5km) Transceiver | ■ 8330-189 LTSFP-1000BX-10KM Transceiver (WDM 1550) |
| ■ 8330-163X MINI GBIC 1000SX2 (LC/2km) Transceiver | ■ 8330-186 LTSFP-1000BX-20KM Transceiver (WDM 1310) |
| ■ 8330-165X MINI GBIC 1000LX (LC/10km) Transceiver | ■ 8330-187 LTSFP-1000BX-20KM Transceiver (WDM 1550) |
| ■ 8340-0591 MINI GBIC 1000LHX (LC/40km) Transceiver | ■ 8330-180 LTSFP-1000BX-40KM Transceiver (WDM 1310) |
| ■ 8330-166 MINI GBIC 1000XD (LC/50km) Transceiver | ■ 8330-182 LTSFP-1000BX-40KM Transceiver (WDM 1550) |
| ■ 8330-169 MINI GBIC 1000XD (LC/60km) Transceiver | ■ 8330-181 LTSFP-1000BX-60KM Transceiver (WDM 1310) |
| ■ 8330-167 MINI GBIC 1000ZX (LC/80km) Transceiver | ■ 8330-183 LTSFP-1000BX-60KM Transceiver (WDM 1550) |
| ■ 8330-170 MINI GBIC 1000EZ (120km) Transceiver | ■ 8330-184 LTSFP-1000BX-80KM Transceiver (WDM 1490) |
| ■ 8330-168 MINI GBIC 1000T (100m) Transceiver | ■ 8330-185 LTSFP-1000BX-80KM Transceiver (WDM 1550) |
| ■ 8330-188 LTSFP-1000BX-10KM Transceiver (WDM 1310) | |

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