

# IPGS-0204G

4 10/100/1000T + 2 Giga SFP Industrial Switch  
w/4 PoE 802.3at Injectors

- Complies with IEEE 802.3at PoE Standard
- Redundant Power Design
- UL Class I Division II for Group A,B,C and D hazardous location
- Wide operating temperature range from -40°C to 75°C



## OVERVIEW

The Lantech IPGS-0204G is a 4 10/100/1000T + 2 1000 Mini-GBIC with 4 IEEE 802.3at High Power PoE Industrial Switch.

The IPGS-0204G is a cost-effective solution, which meets the high reliability requirements demanded by industrial applications. Besides, the equipment meets IEEE 802.3at standard, the switch can provides 30 Watts output per PoE port for Powered Devices. The switch supports wide operating temperature, range from -40°C to 75°C.

The Lantech IPGS-0204G is designed to meet the demands of

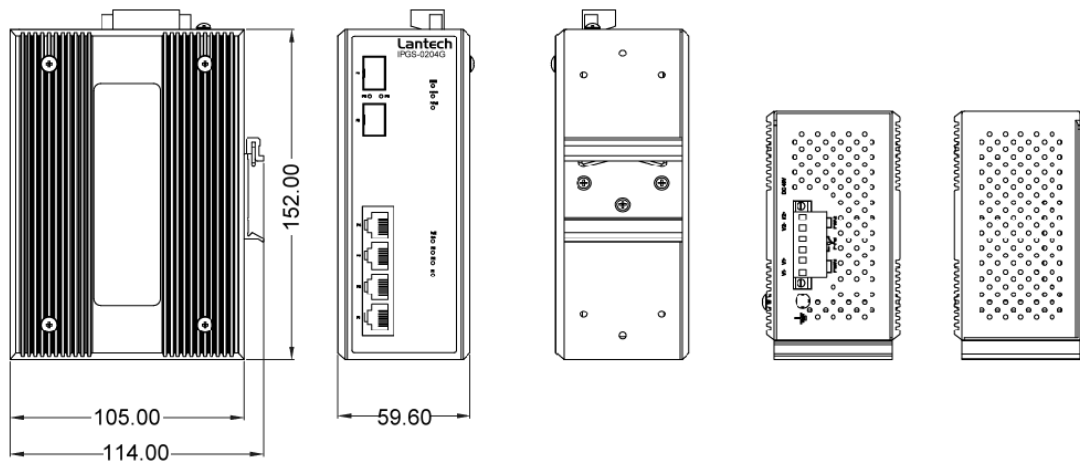
Industrial environments, comes packaged in a robust IP30 housing and has been tested extensively to meet Industrial EMI and EMC standards. Rigorous mechanical testing has also been undertaken to comply with free fall, shock and vibration stability test requirements.

With UL Class I Division II approval, the IPGS-0204G can be implemented in hazardous or explosive condition without accelerating the potential damage. The ESD, surge, and power polarity reverse protections, making IPGS-0204G work well without interruption.

## FEATURES & BENEFITS

- RJ-45 port support Auto MDI/MDI-X Function
- Embedded 4-port PoE 802.3at inject function
- Store-and-Forward Switching Architecture
- Back-plane (Switching Fabric): 12Gbps
- Supports wide operating temperature (-40°C~75°C)
- Redundant power with polarity reverse protection
- IP-30 protection with DIN Rail and Wall Mount design
- Relay output for port breakdown, power fail and alarm

## DIMENSIONS (unit=mm)



## SPECIFICATION

Hardware Specification		Power Supply	DC V48(48V~57V), DC V- 48(- 48V~ - 57V), Redundant power with polarity reverse protect function
Switch Architecture	Back-plane (Switching Fabric): 12Gbps Packet throughput ability (Full-Duplex): 17.85 Mpps @64bytes	Power Consumption	129.9W (Full load)
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port 1,488,000pps for Gigabit Ethernet port	Operating Humidity	5% to 95% (Non-condensing)
Packet Buffer	17.85Mbits	Operating Temperature	-40°C ~ 75°C
Mac Address	8K MAC address table	Storage Temperature	-40°C ~ 85°C
Connector	10/100/1000T: 4 x RJ-45 Mini-GBIC: 2 x 1000 SFP Sockets	Case Dimension	IP30, 59.6mm (W) x 152mm (H) x 105mm (D)
Optical Cable	Depends on Transceiver	Installation	Wall mounting design
Protocol	CSMA/CD	EMI	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 EN61000-6-2, CE EN61000-6-4
PoE pin assignment	RJ-45 port # 1~# 4 support IEEE 802.3at End-point, Alternative A mode. Per port provides 30W at 55V ability. Positive (VCC+): RJ-45 pin 1,2. Negative (VCC-): RJ-45 pin 3,6.	Safety	UL/cUL 508, Class I / Division 2
LED	Per unit: Power 1 (Green), Power 2 (Green), P-Fail (Red) Ethernet: Link/Activity (Green) / Speed (Green), Mini-GBIC: Link/Activity (Green), PoE (Green)	Stability Testing	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)
		Warranty	5 years

## ORDERING INFORMATION

- **IPGS-0204G.....P/N: 8350-960**  
4 10/100/1000T + 2 Giga SFP Industrial Switch w/4 PoE 802.3at Injectors

## OPTIONAL ACCESSORIES

### DIN Rail Power

- **AD1240-48S** 48VDC, 5A, Wide AC Input, Build-in fan Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C (ambient, derating each output at 2.5% per degree from 50°C ~ 70°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 (ambient, derating each output at 2.5% per degree from 50°C ~ 70°C)

### Mini GBIC (SFP)

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

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