

IPGS-0204DSFP

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



OVERVIEW

The Lantech IPGS-0204DSFP is a 4 10/100/1000T + 2 Dual Speed SFP with 4 IEEE 802.3at/af High Power PoE Industrial Switch.

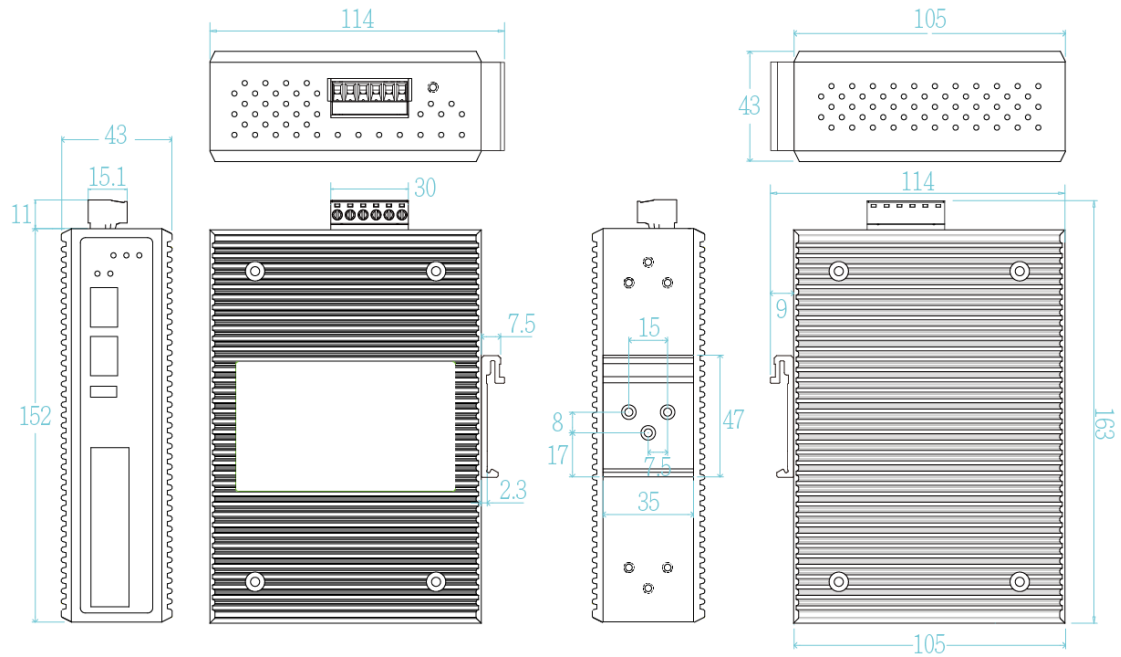
The IPGS-0204DSFP is a cost-effective solution, which meets the high reliability requirements demanded by industrial applications. Besides, the equipment meets IEEE 802.3at standard, the switch can provides 30 Watts output per PoE port for Powered Devices. The switch supports wide operating temperature,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

The Lantech IPGS-0204DSFP 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.

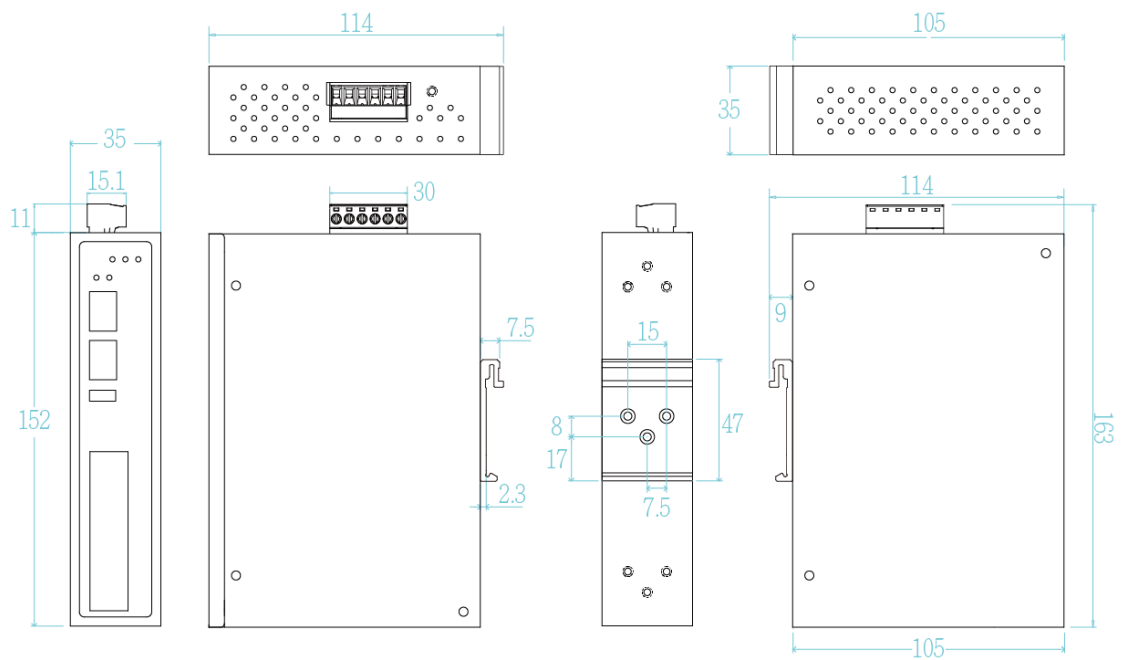
With voltage boost design, the IPGS-0204DSFP-12V can work from 12/24V input power source and boost the voltage to 48VDC to feed the POE power over Ethernet cable for any vehicles that usually has 12/24V power source. The slim compact design is able to fit in variety of cabinets and space.

DIMENSIONS (unit=mm)

12V model



48V model



SPECIFICATION

Hardware Specification		
Standards	IEEE802.3 10Base-T Ethernet	148,800pps for Fast Ethernet port
	IEEE802.3u 100Base-TX	1,488,000pps for Gigabit Ethernet / Gigabit Fiber port
	IEEE802.3ab 1000Base-T Ethernet	
	IEEE802.3z Gigabit fiber	Packet Buffer 1Mbits
	IEEE802.3x Flow Control and Back Pressure	Mac Address 8K MAC address table
	IEEE802.3at/af Power over Ethernet	Jumbo frame 10KB
Switch	Back-plane (Switching Fabric): 12Gbps	Connector 10/100/1000T: 4 x RJ-45 with Auto MDI/MDIX Mini-GBIC: 2 x 100/1000 Dual Speed SFP Sockets
Architecture		DIP Switch SFP Speed 1000M or 100M
Transfer Rate	14,880pps for Ethernet port	Protocol CSMA/CD

PoE pin assignment	RJ-45 port # 1~# 4 support IEEE 802.3at End-point, Alternative A mode. Per port provides 30W at 54V ability. Positive (VCC+): RJ-45 pin 1,2. Negative (VCC-): RJ-45 pin 3,6.	Operating Temperature	-40°C ~ 75°C
LED	Per unit: Power 1 (Green), Power 2 (Green), Fault (Red) 4 port 10/100/1000T: Link/Activity (Green), Full duplex/Collision (Yellow) ; PoE (Yellow) SFP port: LNK/ACT(Green)	Storage Temperature	-40°C ~ 85°C
Power Supply	DC 9.5V~56V(12V model); Redundant power DC45 to 56V; redundant power (48V model)	Case Dimension	Metal case IP30, 43mm (W) x 152mm (H) x 105mm (D) (12V model) 35mm (W) x 152mm (H) x 105mm (D) (48V model)
PoE budget	90W@48/24VDC (50-57VDC input is recommended for 802.3at 30W applications) 50W@12VDC Higher PoE budget can be applied upon request. **	Installation	DIN rail or Wall mounting** design
Power Consumption	6W (switch)	EMC/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 EN55032 Class A, CE EN55024
Operating Humidity	5% to 95% (Non-condensing)	Safety	EN 60950-1
		MTBF	12V model: 1,291,990 hrs 48V model: 1,414,427 hrs
		Warranty	5 years

**Optional

ORDERING INFORMATION

- **IPGS-0204DSFP-12V.....P/N: 8350-966**
4 10/100/1000T + 2 Dual Speed SFP Industrial Switch w/4 PoE 802.3at/af Injectors & 9.5~56VDC input
- **IPGS-0204DSFP-48V.....P/N: 8350-967**
4 10/100/1000T + 2 Dual Speed SFP Industrial Switch w/4 PoE 802.3at/af Injectors & 45~56VDC input

OPTIONAL ACCESSORIES

DIN Rail Power

- **NDR-480 Series** 480W Single Output Industrial Din Rail Power; 90-264VAC / 127-370VDC 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)
- **NDR-240 Series** 240W Single Output Industrial Din Rail Power; 90-264VAC / 127-370VDC 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)
- **NDR-120 Series** 120W Single Output Industrial Din Rail Power; 90-264VAC / 127-370VDC 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; For 115VAC, please refer to derating curve on NDR-120 Series datasheet)
- **NDR-75 Series** 75W Single Output Industrial Din Rail Power; 90-264VAC / 127-370VDC 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; For 115VAC, please refer to derating curve on NDR-120 Series datasheet)

Mini GBIC (SFP)

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|---|--|
| ■ 8330-162D-V1 MINI GBIC 1000SX (LC/MM/0.5KM) Transceiver | ■ 8330-061D-V1 MINI GBIC 100Base (LC/SM/30KM) Transceiver |
| ■ 8330-163D-V1 MINI GBIC 1000SX2 (LC/MM/2KM) Transceiver | ■ 8330-197D-V1 1.25Gbps BiDi SFP 0.5KM Transceiver (WDM 1310) |
| ■ 8330-165D-V1 MINI GBIC 1000LX (LC/SM/10KM) Transceiver | ■ 8330-198D-V1 1.25Gbps BiDi SFP 0.5KM Transceiver (WDM 1550) |
| ■ 8340-0591D-V1 MINI GBIC 1000LHX (LC/SM/40KM) Transceiver | ■ 8330-195D-V1 1.25Gbps BiDi SFP 2KM Transceiver (WDM 1310) |
| ■ 8330-166D-V1 MINI GBIC 1000XD (LC/SM/50KM) Transceiver | ■ 8330-196D-V1 1.25Gbps BiDi SFP 2KM Transceiver (WDM 1550) |
| ■ 8330-169D-V1 MINI GBIC 1000XD (LC/SM/60KM) Transceiver | ■ 8330-188D-V1 1.25Gbps BiDi SFP 10KM Transceiver (WDM 1310) |
| ■ 8330-167D-V1 MINI GBIC 1000ZX (LC/SM/80KM) Transceiver | ■ 8330-189D-V1 1.25Gbps BiDi SFP 10KM Transceiver (WDM 1550) |
| ■ 8330-170D-V1 MINI GBIC 1000EZ (LC/SM/120KM) Transceiver | ■ 8330-186D-V1 1.25Gbps BiDi SFP 20KM Transceiver (WDM 1310) |
| ■ 8330-168-V1 MINI GBIC 10/100/1000T (100m) Transceiver | |
| ■ 8330-060D-V1 MINI GBIC 100Base (LC/MM/2KM) Transceiver | |
| ■ 8330-065D-V1 MINI GBIC 100Base (LC/MM/5KM) Transceiver | |

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