IPGC-0101GB

10/100/1000T to Mini-GBIC 802.3at Industrial PoE Switch Converter

- *IEEE802.3at PoE/PSE Feature*
- *Support Link Alarm / 9K Bytes Jumbo Frames*
- *Redundant Power Input with Terminal Block X2 & Additional DC Power Jack*
- *Operating Temperature Range from -20℃ to 60℃*

OVERVIEW

The Lantech IPGC-0101GB is an Industrial Converter converging from 10/100/1000BaseT to 1000M speeds with 802.3at PoE support.

The Lantech IPGC-0101GB is fully compliant with IEEE 802.3, 802.3u, 802.3ab & 802.3z standards. Besides, it is equipped with some switching features including flow control and store and forward. Additionally, Link Alarm feature enables administrator to monitor the fiber link status in visually and intuitively mechanism.

The Lantech IPGC-0101GB provides 2 terminal blocks for power redundancy and 1 additional DC power jack input.

FEATURES & BENEFITS

- **System Interface/Performance**
  - *UTP to Fiber Media Converter*
  - *RJ-45 port support Auto MDI/MDI-X Function*
  - *Auto Negotiation Speed, Half/Full Duplex*
  - *Jumbo Frame: 9Kbytes*
  - *Store-and-Forward Switching Architecture*
  - *Mac Address Table: 1K*
- **IEEE802.3at PoE/PSE Feature**
- **Supports Link Alarm**
- **Redundancy Power Input with Terminal Block X2 & Additional DC Power Jack**
- **Metal Housing with DIN Rail and Wall Mount* Design**
- **Supports Wide Operating Temperature (-20°C~ 60°C)**

SPECIFICATION

Standards	IEEE802.3 10Base-T IEEE802.3u 100Base-TX/100Base-FX IEEE802.3ab 1000Base-T IEEE802.3x Flow Control and Back pressure IEEE802.3z 1000BaseSX/LX standards IEEE802.3at PoE/PSE
Switch Architecture	Store and Forward
Mac Address	1K
Jumbo Frame	9Kbytes
Fiber parameters	Fiber Core: Multi-mode (62.5/125um, 50/125um) Single-mode (9/125um) Wavelength: 850nm(Multi-mode) 1310nm(Single-mode) Fiber Distance: Based on transceiver type for different distance
DIP Switch	DIP Switch 1: ON: Enables Power Alarm OFF: Disables Power Alarm DIP Switch 2: TX → Fiber LLF(Link Lose Forwarding) & LFP (Link Fault Pass-Through)

	Disable/Enable
Connectors	Fiber: Mini-GBIC 3.3V RJ-45 Socket: CAT-5 (10/100/1000Mbps) Twisted Pair cable Auto MDI/MDI-X and Auto-Negotiation Function Support
LED	Per unit: Power1 (Green), Power2 (Green), Fault (Red) Fiber: Link/Active (Green) TX: Link/Active (Green),1000M (Yellow)
Power Supply	DC Power Jack x 1 Terminal Block x 2 Input Voltage: 48VDC (802.3af); 54VDC (802.3at)
Power Consumption	4 Watts
Operating Humidity	5% ~ 95% (Non-condensing)
Operating Temperature	-20°C~60°C / -4°F~140°F
Storage Temperature	-20°C~70°C / -4°F~158°F
Case Dimension	Metal case. 35 (W) x 93 (D) x 105 (H) mm

Installation	DIN Rail and Wall Mount* Design	Warranty	5 years
EMI & EMS	FCC Part 15 Class A, CE		
MTBF	101,157 hrs		

*Optional

ORDERING INFOMATION

- **IPGC-0101GB…….P/N: 8350-045**
  10/100/1000T to Mini-GBIC Industrial Switch Converter with 802.3at PoE, Operating Temperature -20˚C to 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 (ambient, derating each output at 2.5% per degree from 50°C ~ 75°C, which means the output is 18 Watts at 75°C.)
- **AD1024-24F** 24VDC, 1A, Wide AC Input, Convection 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 ~ 75°C, which means the output is 9 Watts at 75°C.)
- **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)

DC Power Plug Adapter

- **EOTH000101**

Mini GBIC (SFP)

- **8330-162** MINI GBIC 1000SX (LC/0.5km) Transceiver
- **8330-163** MINI GBIC 1000SX2 (LC/2km) Transceiver
- **8330-165** MINI GBIC 1000LX (LC/10km) Transceiver
- **8340-0591** MINI GBIC 1000LHX (LC/40km) Transceiver
- **8330-166** MINI GBIC 1000XD (LC/50km) Transceiver
- **8330-169** MINI GBIC 1000XD (LC/60km) Transceiver
- **8330-167** MINI GBIC 1000ZX (LC/80km) Transceiver
- **8330-170** MINI GBIC 1000EZX (120km) Transceiver
- **8330-168** MINI GBIC 10/100/1000T (100m) Transceiver
- **8330-060** 100Base FX 2KM, Multi-mode, LC Transceiver
- **8330-065** 100Base FX 5KM, Multi-mode, LC Transceiver
- **8330-061** 100Base LX 30KM, Single-mode, LC Transceiver
- **8330-188** LTSFP-1000BX-10KM Transceiver (WDM 1310)
- **8330-189** LTSFP-1000BX-10KM Transceiver (WDM 1550)
- **8330-186** LTSFP-1000BX-20KM Transceiver (WDM 1310)
- **8330-187** LTSFP-1000BX-20KM Transceiver (WDM 1550)
- **8330-180** LTSFP-1000BX-40KM Transceiver (WDM 1310)
- **8330-182** LTSFP-1000BX-40KM Transceiver (WDM 1550)
- **8330-181** LTSFP-1000BX-60KM Transceiver (WDM 1310)
- **8330-183** LTSFP-1000BX-60KM Transceiver (WDM 1550)
- **8330-184** LTSFP-1000BX-80KM Transceiver (WDM 1490)
- **8330-185** LTSFP-1000BX-80KM Transceiver (WDM 1550)

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