

IGC-0101GB

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



Features

- System Interface/Performance
 - UTP to Fiber Media Converter
 - RJ-45 port support Auto MDI/MDI-X Function
 - Auto Negotiation Speed, Half/Full Duplex
 - Store-and-Forward Switching Architecture
 - Built-in Link Lose Forwarding (LLF) & Link Fault Pass-Through (LFP) Technology
 - Jumbo Frame: 9Kbytes
 - Supports Wide Operating Temperature (-40°C ~ 75°C)
- Case/Installation
 - IP-30 Protection
 - DIN Rail and Wall Mount Design
- Power Supply
 - Wide-range Redundant Power Design
 - Power Polarity Reverse Protect
 - Overload Current Re-settable Fuse Present
- Provides EFT protection 3000 VDC for power line
- Supports 4000 VDC Ethernet ESD protection

Lantech Industrial Switch series are designed with three unique hardware features: 1. Terminal block is placed on the bottom 2. Relay contact to connect with alarm system in case of power or port failure. of device to isolate dust proof 3. Auto detect power input from DC12V to 48V.

Lantech IGC-0101GB is an Industrial Converter converging from 10/100/1000T to 1000M speeds, which is the best to use in Automation, Transportation, Semiconductor factory, Heavy Industrial factory and other factory assembly lines. The unique "Link Loss Forwarding" (LLF) features is capable to cut off whole line link connection whenever there is one end linking down. Lantech's Industrial converters are passed under 1.2KVA Hi- Pot abnormal test. And the fault relay design can connected to alarm system and able to notify of power or network failure event immediately. With IP 30 enclosure and test under extensive Industrial EMI and Safety standards. Comply with IEC60068-2-32(Free fall), IEC60068-2-27(Shock) and IEC60068-2-6(Vibration) stability test, ensure the long term availability under the critical industrial environments.

Specification

Standard	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
Switch Architecture	Store and Forward
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
Link Lose Forward	TX → Fiber: If TX port link down, the media converter will force Fiber port to link down Fiber → TX: If Fiber port link down, the media converter will force TX port to link down
DIP Switch	DIP Switch 1: ON: Enables Port Alarm OFF: Disables Port Alarm DIP Switch 2: TX → Fiber LLF(Link Lose Forwarding) & LFP (Link Fault Pass-Through) Disable/Enable
Connector	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)
Reserve polarity protection	Present
Overload current protection	Present
Power Supply	DC 12~48V, Redundant power with polarity reverse protect function and removable terminal block
Power Consumption	Watts
Operating Humidity	5%~95% (Non-condensing)
Operating Temperature	Standard: -10°C ~ 60°C; Wide Operating Temperature (-40°C ~ 75°C)
Storage Temperature	-40°C ~ 85°C
Case Dimension	Metal case, IP-30, 30mm (W) x 95mm (D) x 140mm (H)
Installation	DIN Rail and Wall Mount Design
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 EN61000-4-11, CE EN61000-4-12, CE EN61000-6-2, CE EN61000-6-4
Safety	UL, cUL, CE/EN60950-1
Stability Testing	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)

Ordering Information

- IGC-0101GBP/N:8350-050
10/100/1000T to Mini-GBIC Industrial Switch Converter
- IGC-0101GB/EP/N:8350-055
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