

IPGS-0101T (12V/48V)

Industrial Gigabit Switch with PoE 802.3at/af up to 30W

- IEEE802.3at/af PoE/PSE 30W
- Voltage booster design from 12V to 54V (12V model)
- Extends Power over Ethernet installations beyond 100 Meters
- Operating Temperature Range from -40°C to 75°C (E model)



OVERVIEW

The Lantech IPGS-0101T is an Industrial high power PoE Gigabit Switch that can feed up to 30W over 2 pairs under 802.3at/af standard.

Lantech IPGS-0101T is fully compliant with IEEE 802.3at/af

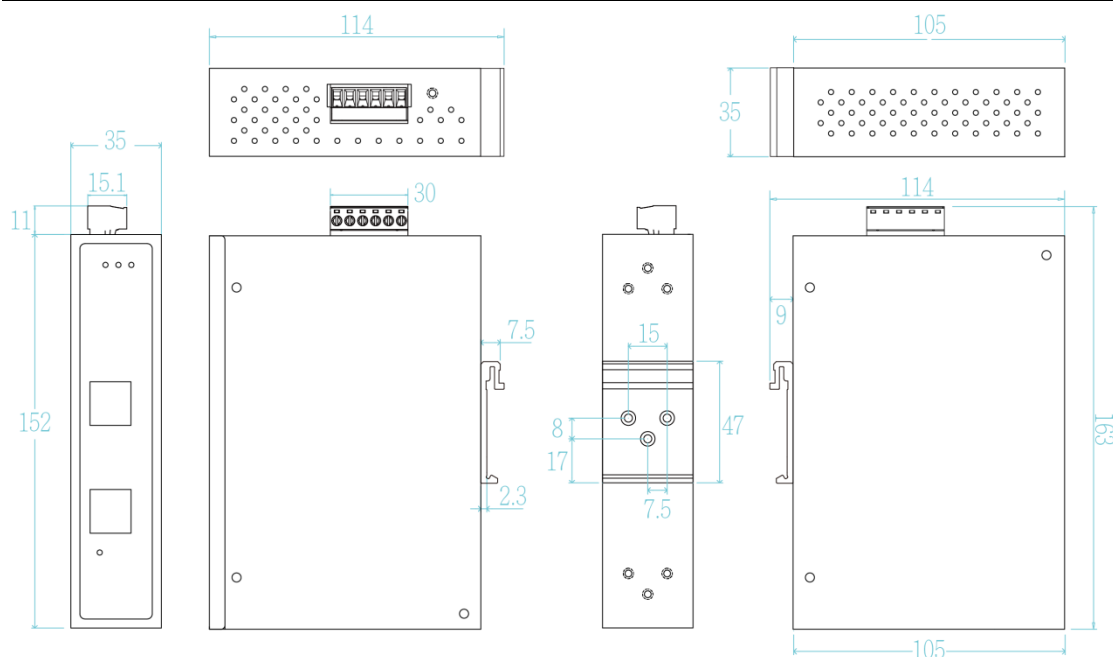
standard. The 12V model can take 9.5~57VDC input voltage for PoE feeding up to 30W which is suitable for vehicle application.

Lantech IPGS-0101T is the best industrial PoE Gigabit Switch for outdoor IP CAM, PTZ, heater, wireless AP etc.

FEATURES & BENEFITS

- **System Interface/Performance**
 - 1x 10/100/1000T + 1 10/100/1000T with PoE switch
 - Compliant with 802.3at/af PoE standard
 - Output PoE up to 30W
- **Voltage booster design from 12V input to 54V output. (12V model)**
- **Can extend Power over Ethernet installations beyond 100 Meters**
- **Dual Power Input with Terminal Block X2**
- **Metal Housing with DIN Rail and Wall Mount** Design**
- **Supports Wide Operating Temperature -40°C~ 75°C (E model)**
- **Power polarity protection**
- **Relay alarm output for system events**

DIMENSIONS (unit=mm)



SPECIFICATION

Standards	IEEE802.3 10Base-T	Alarm Relay current carry ability: 1A @ DC24V
	IEEE802.3u 100Base-TX/100Base-FX	Operating Humidity
Switch Architecture	IEEE802.3ab 1000Base-T	Operating Temperature
	IEEE802.3x Flow Control and Back pressure	Temperature
Connectors	IEEE802.3at/af PoE/PSE	Storage Temperature
	Store and Forward	Case Dimension
Network Cable	RJ-45 socket x 2	Installation
	Power & Relay connector: 1 x 6-pole terminal block	EMI & EMS
PoE pin assignment	10Base-T: UTP/STP Cat. 3, 4, 5/ 5E/ 6 cable	Stability Testing
	EIA/TIA-568 100-ohm (100m)	
LED	100Base-TX: UTP/STP Cat. 5/ 5E/ 6 cable	Warranty
	EIA/TIA-568 100-ohm (100m)	
Power Supply	Positive (VCC+): RJ-45 pin 1,2.	**Optional
	Negative (VCC-): RJ-45 pin 3,6.	
Power Consumption	PW1 (Green); PW2 (Green); FAULT (Red)	
	Input Voltage: 44V ~ 57VDC (48V model)	
PoE Budget	Input Voltage : 9.5V ~57VDC (12V model)	
	5 Watts max.	
Polarity protection	Power polarity protection	
	Relay Alarm	
	Provides one relay output for power fail alarm.	

ORDERING INFORMATION

- **IPGS-0101T-12V.....P/N: 8350-046**
1x 10/100/1000T PoE switch up to 30W 2 pairs , 9.5V~57VDC dual input; Operating Temperature -20°C to 60°C
- **IPGS-0101T-12V-E.....P/N: 8350-047**
1x 10/100/1000T PoE switch up to 30W 2 pairs , 9.5V~57VDC dual input; Operating Temperature -40°C to 75°C
- **IPGS-0101T-48V.....P/N: 8350-048**
1x 10/100/1000T PoE switch up to 30W 2 pairs , 44V~57VDC dual input; Operating Temperature -20°C to 60°C
- **IPGS-0101T-48V-E.....P/N: 8350-049**
1x 10/100/1000T PoE switch up to 30W 2 pairs , 44V~57VDC dual input; Operating Temperature -40°C to 75°C

OPTIONAL ACCESSORIES

DIN Rail Power

- **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)
- **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)

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