

IPGS-0101T (12V/48V)

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



OVERVIEW

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

Lantech IPGS-0101T is fully compliant with IEEE 802.3at/af standard. The 12V model can take 9.5~56VDC input voltage for PoE feeding up to 30W which is suitable for vehicle application.

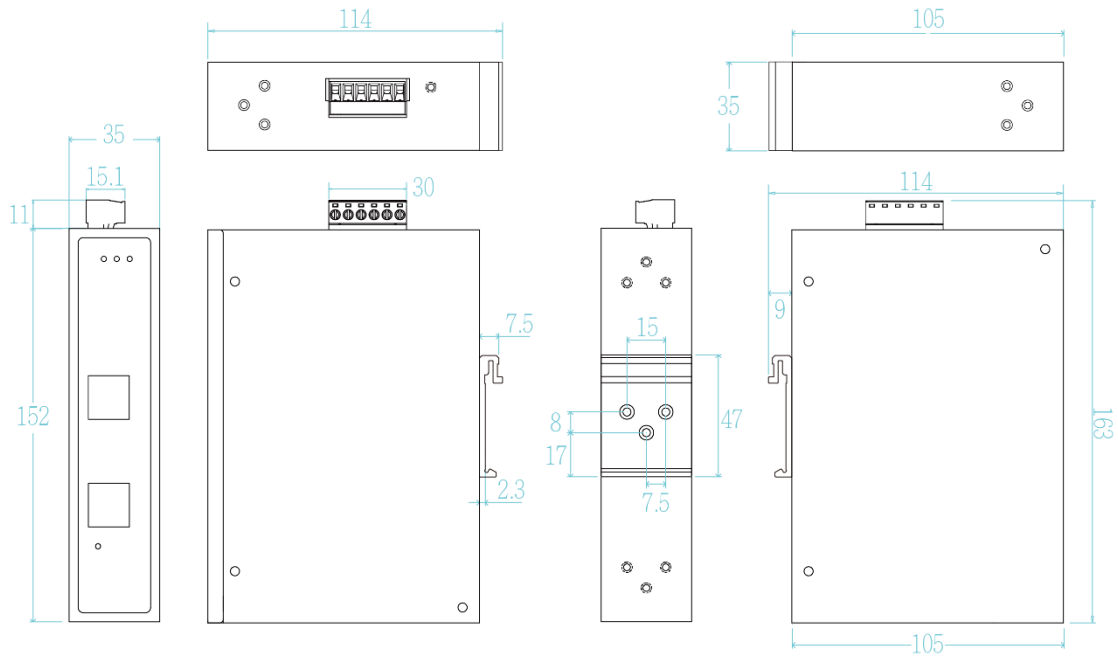
Lantech IPGS-0101T is the best industrial PoE Gigabit Switch for outdoor IP CAM, PTZ, heater, wireless AP etc.

Hardened industrial design with extended temperature range; CE, FCC, LVD, AREMA part 11.5.1 compliance**

It provides $\pm 2000V$ EFT and $\pm 6000V$ ESD protection, which can reduce unstable situation caused by power line and Ethernet. It has high reliability and robustness coping with extensive EMI/RFI phenomenon, environmental vibration and shocks usually found in Automation, transportation, surveillance, Wireless backhaul, Semi-conductor factory and assembly lines.

With CE, FCC, LVD and AREMA** part 11.5.1 verification, Lantech IPGS-0101T is best for outdoor community, vehicle, railway, process control automation etc. For more usage flexibilities, IPGS-0101T-E supports wide operating temperature from $-40^{\circ}C$ to $75^{\circ}C$.

DIMENSIONS (unit=mm)



SPECIFICATION

Standards	IEEE802.3 10Base-T	Relay Alarm**	Provides one relay output for power fail alarm. Alarm Relay current carry ability: 1A @ DC24V	
	IEEE802.3u 100Base-TX/100Base-FX		Operating Humidity	5% ~ 95% (Non-condensing)
Switch Architecture	IEEE802.3ab 1000Base-T	Operating Temperature	-20°C~60°C /-4°F~140°F (standard model)	
	IEEE802.3x Flow Control and Back pressure		Storage Temperature	-40°C~75°C / -40°F~167°F (E model)
Connectors	IEEE802.3at/af PoE/PSE	Case Dimension	-40°C~85°C / -40°F~185°F	
	Store and Forward		Installation	Metal case. 35 (W) x 105 (D) x 152 (H) mm
Network Cable	RJ-45 socket x 2	EMI & EMS	DIN Rail and Wall Mount* Design	
	Power & Relay** connector: 1 x 6-pole terminal block		FCC Part 15 Class A	FCC Part 15 Class A
PoE pin assignment	10Base-T: UTP/STP Cat. 3, 4, 5/ 5E/ 6 cable	IEC/EN61000-6-2	CE EN55032 Class A	
	EIA/TIA-568 100-ohm (100m)	CE EN55024: CE EN61000-4-2 (ESD) Level 3	CE EN61000-4-3 (RS) Level 3	
LED	100Base-TX: UTP/STP Cat. 5/ 5E/ 6 cable	CE EN61000-4-4 (EFT) Level 3	CE EN61000-4-5 ED3 (Surge) Level 3	
	EIA/TIA-568 100-ohm (100m)	CE EN61000-4-6 (CS) Level 3	CE EN61000-4-8 (Magnetic field) Level 3	
Power Supply	Positive (VCC+): RJ-45 pin 1,2.	AREMA** part 11.5.1 compliance	Stability Testing	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)
	Negative (VCC-): RJ-45 pin 3,6.	MTBF	TBC (standards: IEC 62380)	
Power Consumption	PW1 (Green); PW2 (Green); FAULT (Red)	Warranty	5 years	
	Input Voltage: 44V ~ 56VDC (48V model)	**Optional		
PoE Budget	Input Voltage : 9.5V ~56VDC (12V model)			
	5 Watts max.			
Polarity protection	30W (50-57VDC input is recommended for 802.3at 30W applications)			
	Higher PoE budget can be applied upon request. **			

ORDERING INFORMATION

Optional AREMA certified models are available with -AMA model names.

- **IPGS-0101T-12V.....P/N: 8350-046**
1x 10/100/1000T PoE switch up to 30W, 9.5V~56VDC 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, 9.5V~56VDC 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, 44V~56VDC 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, 44V~56VDC 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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