



SPL-101GT++-24V

Industrial 1-port Gigabit PoE++ Splitter, 90Watts/24VDC Output

Features

- Fully compliant with IEEE802.3af/at/bt standard
- Supports 10/100/1000Base-T(X) for PoE In and Data Out
- Power Isolation and Short Circuit Protection for Power Output
- Auto protection for Over Voltage Power Input
- Supports Power Output up to 90Watts/24VDC
- IP-30 Rugged Case Design
- DIN-Rail and Wall Mount Design

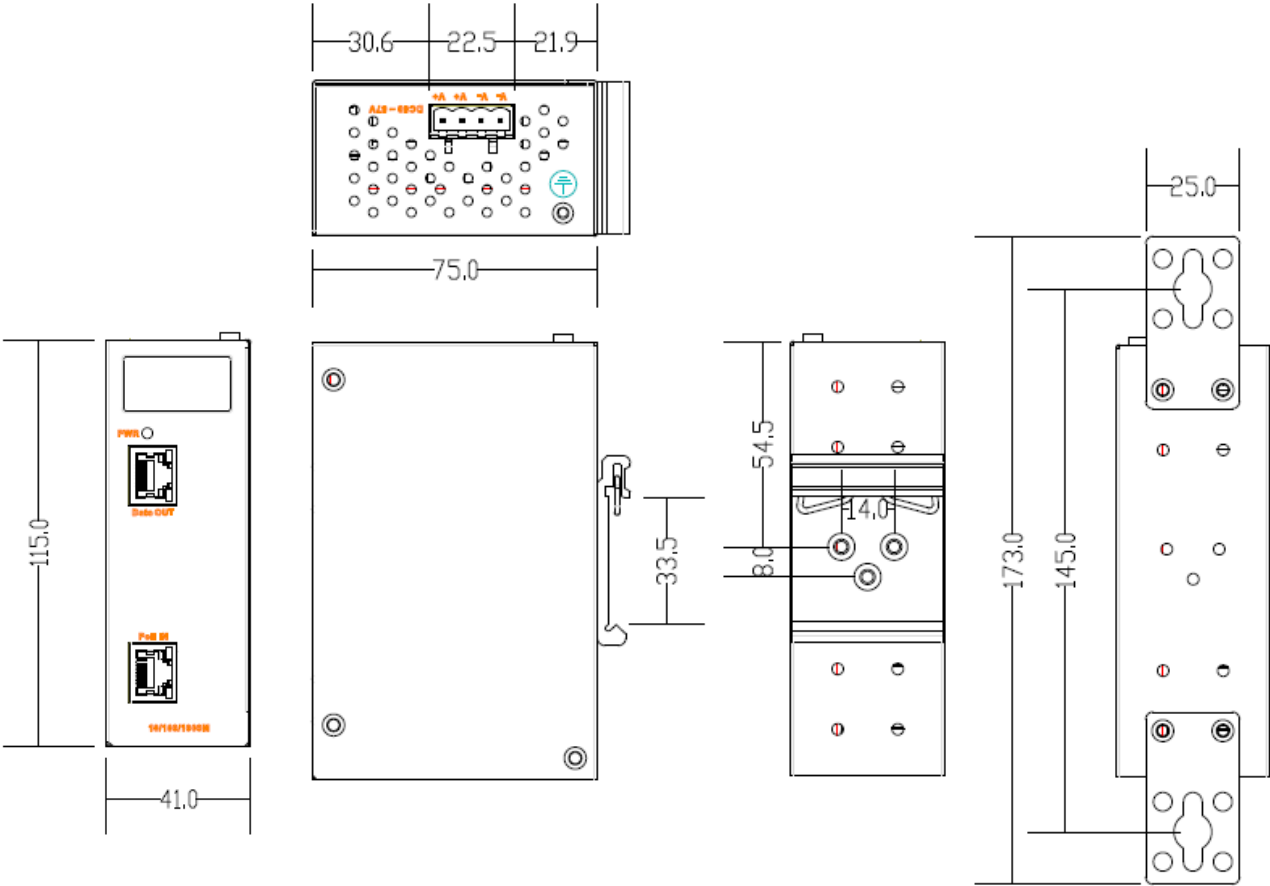


Introduction

SPL-101GT++-24V is a high power plus PoE Splitter for use in Power over Ethernet systems. With Ethernet Input (data + power) port and Output (data only) port, SPL-101GT++-24V may split power from existing LAN cable and convert up to 24VDC/2.5A for power hungry applications such as Wireless APs, Security cameras and IP Phones. The internal current limit, short-circuit and overload protection are implemented for use as a DC power supply.



Dimension



Connector and Pin Definition

【PoE Definition】

1000 Base-T

Pin	RJ-45 Input (Data and Power)		RJ-45 Output (Data Only)	
	Symbol	Description	Symbol	Description
1	BI_DA+ (Vdc1+)	Data BI_DA+ and Feeding Power(+)	BI_DA+	Data BI_DA+
2	BI_DA- (Vdc1+)	Data BI_DA- and Feeding Power(+)	BI_DA-	Data BI_DA-
3	BI_DB+ (Vdc1-)	Data BI_DB+ and Feeding Power(-)	BI_DB+	Data BI_DB+
4	BI_DC+ (Vdc2+)	Data BI_DC+ Feeding Power(+)	BI_DC+	Data BI_DC+
5	BI_DC- (Vdc2+)	Data BI_DC- Feeding Power(+)	BI_DC-	Data BI_DC-
6	BI_DB- (Vdc1-)	Data BI_DB- and Feeding Power(-)	BI_DB-	Data BI_DB-
7	BI_DD+ (Vdc2-)	Data BI_DD+ Feeding Power(-)	BI_DD+	Data BI_DD+
8	BI_DD- (Vdc2-)	Data BI_DD- Feeding Power(-)	BI_DD-	Data BI_DD-

10/100 Base-T(X)

Pin	RJ-45 Input (Data and Power)		RJ-45 Output (Data Only)	
	Symbol	Description	Symbol	Description
1	Rx+ (Vdc1+)	Data Receive and Feeding power(+)	Rx+	Data Receive
2	Rx- (Vdc1+)	Data Receive and Feeding power(+)	Rx-	Data Receive
3	Tx+ (Vdc1-)	Data Transmit and Feeding power(-)	Tx+	Data Transmit
4	NC (Vdc2+)	Not Connected Feeding power(+)	NC	Not Connected
5	NC (Vdc2+)	Not Connected Feeding power(+)	NC	Not Connected
6	Tx- (Vdc1-)	Data Transmit and Feeding power(-)	Tx-	Data Transmit
7	NC (Vdc2-)	Not Connected Feeding power(-)	NC	Not Connected
8	NC (Vdc2-)	Not Connected Feeding power(-)	NC	Not Connected

Specifications

ORing Splitter Model	SPL-101GT++-24V
Physical Ports	
RJ-45 Ethernet Port with P.S.E. Input	1
RJ-45 Ethernet Port Output	1
Power Output Connector	4-pin terminal block
Operating Voltage	
Output Voltage	24V @ 2.5A ±5% typical
LED Indicator	
Power Indicator	PWR / Ready: 1 x LED Green On: Power is on and functioning Normally.
Power	
Input Power	90W P.S.E input
Protection	
Short Circuit Protection	Present
Over Load Protection	Present
Physical Characteristic	
Enclosure	IP-30
Dimension (W x D x H)	41(W) x 75 (D) x 115 (H)mm (1.61 x 2.95 x 4.52 inch)
Weight (g)	366g
Environmental	
Storage Temperature	-40 to 80°C (-40 to 176°F)
Operating Temperature	-40 to 75°C (-40 to 167°F)
Operating Humidity	5% to 90% Non-condensing
Regulatory approvals	
EMC	CE EMC (EN 55032,EN 55035), FCC Part 15 B
EMI	EN 55035, CISPR 32, FCC Part 15 B class A
EMS	EN 55032 (IEC/EN 61000-4-2 (ESD), IEC/EN 61000-4-3 (RS), IEC/EN 61000-4-4 (EFT), IEC/EN 61000-4-5 (Surge), IEC/EN 61000-4-6 (CS), IEC/EN 61000-4-8 (PFMF), IEC/EN 61000-4-11 (DIP))
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-31
Vibration	IEC 60068-2-6
Safety	EN 60950-1
MTBF	1854809hrs
Warranty	5 years

Ordering Information

SPL-101GT++-24V

Code Definition	PoE Type
Option	++ : 90Watts High Power Plus PoE

Available Model	Model Name	Description
	SPL-101GT++-24V	Industrial 1-port Gigabit PoE++ Splitter, 90Watts/24VDC Output

Packing List

- **SPL-101GT++-24V x 1**
- **DIN-Rail Kit x 1**
- **Wall-mount Kit x 1**
- **QIG x 1**