

SPL-101GT++

Industrial 1-port Gigabit PoE Splitter, 90Watts Output

Features

- Fully compliant with IEEE802.3at 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 Outputs up to 90Watts**
- IP-30 Rugged Case Design
- DIN-Rail and Wall Mount Design

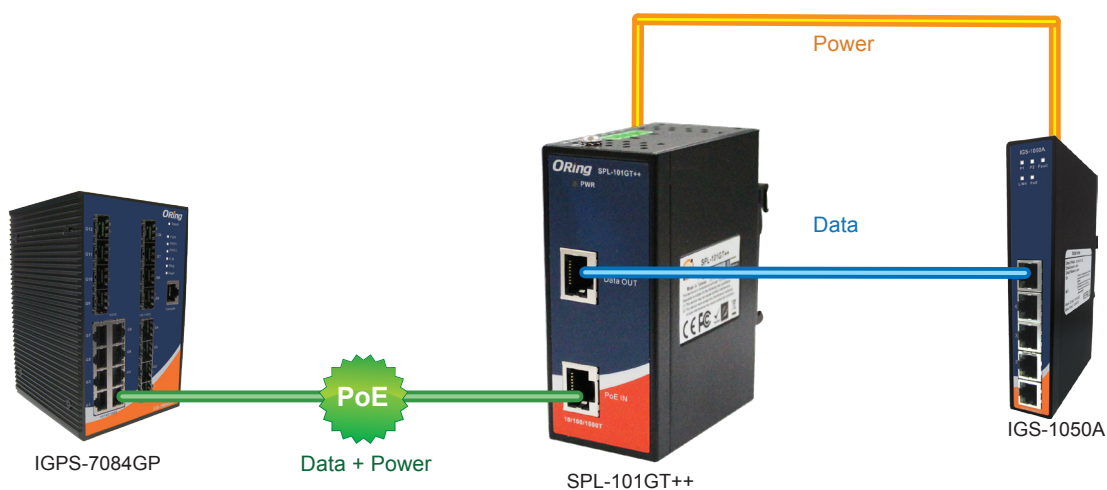
Preliminary



Introduction

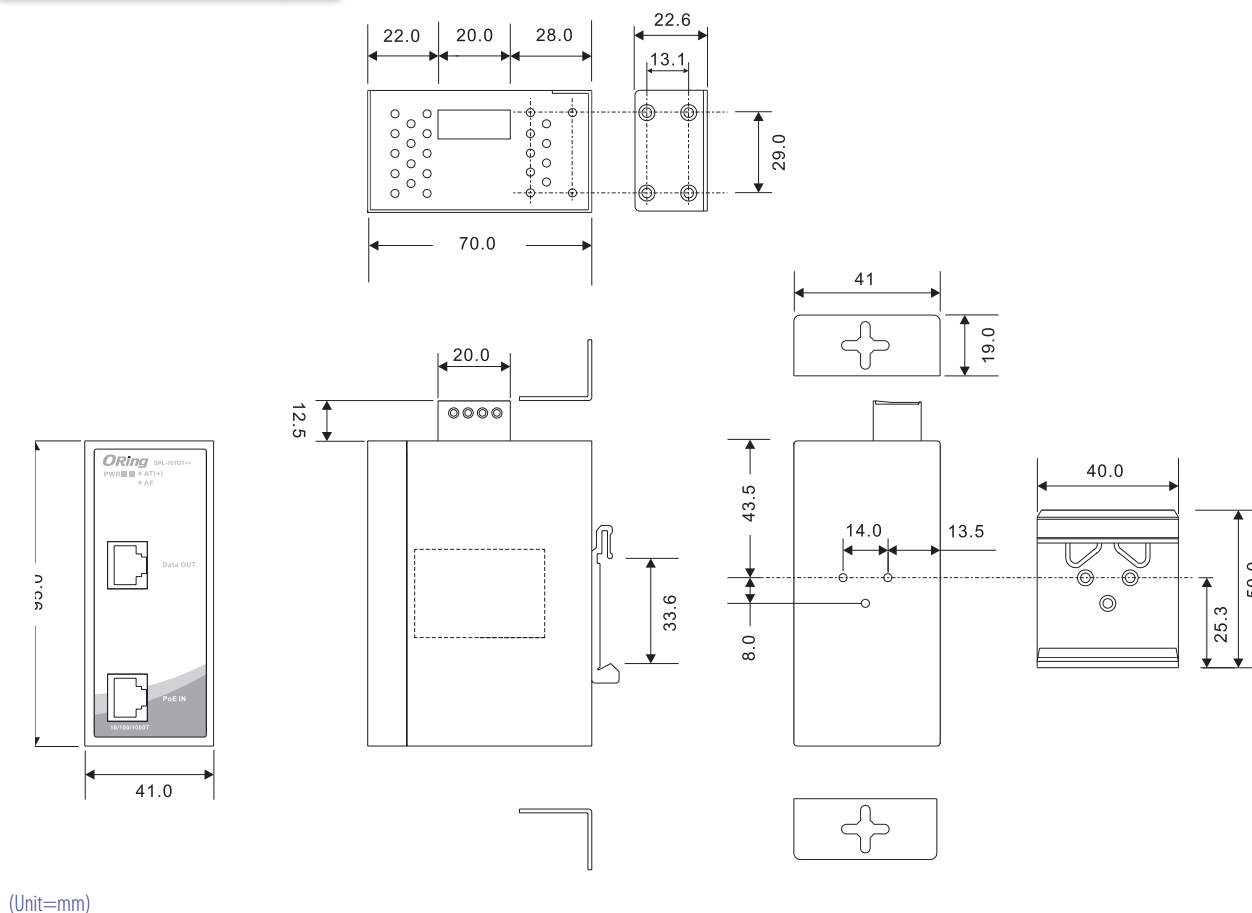
SPL-101GT++ is a high power plus PoE Splitter for use in Power over Ethernet systems. With Ethernet Input (data + power) port and Output (data only) port, SPL-101GT++ may split power from existing LAN cable and convert up to 24VDC/3.75A or 12VDC/7.5A(SPL-101GT++-12V) for power hungry applications such 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.

Practical Operation



PoE Splitter Connections

Dimensions



Connectors and Pin Definitions

[PoE Definition]

1000 Base-T

Pin No.	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+ and Feeding Power(+)	BI_DC+	Data BI_DC+
5	BI_DC- (VDC2+)	Data BI_DC- and 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+ and Feeding Power(-)	BI_DD+	Data BI_DD+
8	BI_DD- (VDC2-)	Data BI_DD- and Feeding Power(-)	BI_DD-	Data BI_DD-

10/100 Base-T(X)

Pin No.	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	VDC+ (VDC2+)	Not Connected Feeding power(+)	NC	Not Connected
5	VDC- (VDC2+)	Not Connected Feeding power(+)	NC	Not Connected
6	Tx- (VDC1-)	Data Transmit and Feeding Power(-)	Tx-	Data Transmit
7	VDC- (VDC2-)	Not Connected Feeding power(-)	NC	Not Connected
8	VDC- (VDC2-)	Not Connected Feeding power(-)	NC	Not Connected

Specifications

ORing Splitter Model	SPL-101GT++	SPL-101GT++-12V
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		
Input Voltage	37 ~ 57 VDC	
Output Voltage	24V @ 3.75A max.	12V @ 7.5A max.
LED Indicator		
Power Indicator	PWR / Ready: 1 x LED	
	Blue On: Power is on and is functioning Normally.	
Protection		
Short Circuit Protection	Present	
Over Load Protection	Present	
Isolation Protection	1500V	
Physical Characteristics		
Enclosure	IP-30	
Dimensions (W x D x H)	41(W)x70(D)x95(H) mm (1.61 x 2.75 x 3.74 inch.)	
Weight (g)	TBD	
Environmental		
Storage Temperature	-40 to 80°C (-40 to 176°F)	
Operating Temperature	-25 to 70°C (-13 to 158°F)	
Operating Humidity	5% to 90% Non-condensing	
Regulatory Approvals		
EMI	FCC Part 15, CISPR (EN55022) class B	
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11	
Safety	EN60950-1	
Warranty	5 years	

Ordering Information

SPL-101GT++-12V

Code Definition	PoE Type	Output voltage
Option	- ++: 90Watts High Power Plus PoE	- Normal: 24Vdc output - 12V: 12Vdc output

Available Model	Model Name	Description
	SPL-101GT++	Industrial 1-port Gigabit High Power Plus PoE Splitter with 90watts 24Vdc output, IEEE802.3at standard downward compatibility
	SPL-101GT++-12V	Industrial 1-port Gigabit High Power Plus PoE Splitter with 90watts 12Vdc output, IEEE802.3at standard downward compatibility

Packing List

- SPL-101GT++
- DIN-Rail Kit
- Wall-mount Kit
- Quick Installation Guide