

**CUS-100G  
CUS-100GE**

**Industrial PoE Splitter For 10/100/1000T**

**Features**



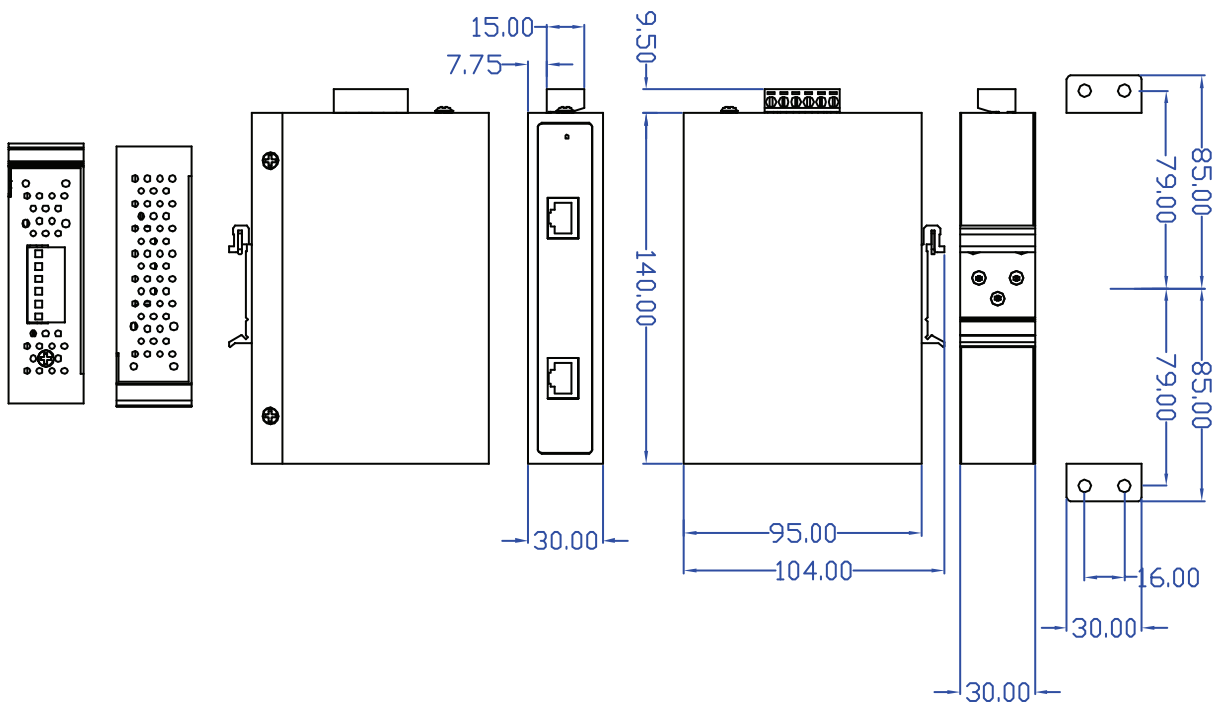
- High Performance PoE Technology**
- ✓ Comply with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af
  - ✓ Provides RJ-45 connector for PoE In and Data out
  - ✓ Power Isolation and Short circuit protection for power output
  - ✓ Auto disconnection for over power voltage input
- Robust Industrial Design**
- ✓ Robust Aluminum case complying to IP-30 housing standard
  - ✓ Supports operating temperature -10 to 70°C & Extended temperature -40 to 80°C
  - ✓ DIN-Rail, Panel mount or desktop installation
- Reliable Power Design**
- ✓ High level of immunity to electromagnetic interference & power supply surges typically found in industrial plant environments or external curb side enclosures
  - ✓ Supports wide range redundant power design
  - ✓ Supports 4,000 VDC Ethernet ESD Protection
  - ✓ Provides surge (EFT) protection 3,000 VDC for power line
  - ✓ Supports input power design of 44~72 VDC
  - ✓ Supports output power of 12.95~25 watts at 24 VDC



**Overview**

The Cobra CUS-100G is an Industrial PoE splitter for 10/100/1000T. It functions as a powered device (PD) and splits power from PoE to Ethernet devices. In this case, both power and data can be transmitted up to 328 feet (100m) from power source equipment (PSE). The compact, slim line PoE splitter supports output power up to 25 watts at 24 VDC. It offers a 44~72 VDC powers input design and is secured with power Isolation, short circuit protection for power output and auto disconnection for over power voltage input. The IP-30 housing protection, wide operating temperature of -10 to 70°C and DIN rail mounting makes CUS-100G suitable for an industrial environment. The E version extends the temperature rating to -40 to 80°C. The CUS-100G is a plug-and-play solution for your Power over Ethernet applications.

**Dimensions**



## Hardware Specifications

### Interface

<b>RJ-45 Ports</b>	2 10/100BaseT(X) for PoE IN and DATA OUT
<b>LEDs</b>	System Power (Green)
<b>Power Input</b>	VDC 44~72V
<b>Power Protection</b>	Power Isolation, Short circuit Protection Power Reverse Polarity: Present
<b>Power Consumption</b>	85% fully loaded
<b>Dimensions</b>	IP-30 standard, 30 mm (W) x 140 mm (H) x 95 mm (D)
<b>Installation</b>	DIN-Rail, Panel mount or desktop

### Environmental

<b>Operating Temperature</b>	Regular: -10 to 70°C Extended: -40 to 80°C
<b>Storage Temperature</b>	-40 to 85°C (-40 to 185°F)
<b>Operating Humidity</b>	5%~90% RH (Non-condensing)

## Technology Specifications

<b>Standard</b>	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX/100BASE-FX IEEE802.3ab 1000Base-T IEEE802.3af Power over Ethernet
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## Regulatory Approvals

<b>EMI</b>	FCC Class A
<b>EMS</b>	EN6100-4-2 EN6100-4-3 EN-6100-4-4 EN6100-4-5 EN6100-4-6 EN61000-4-8 EN61000-4-11
<b>Safety</b>	UL, cUL, CE/EN60950
<b>Shock</b>	IEC60068-2-27
<b>Vibration</b>	IEC60068-2-6
<b>Free Fall</b>	IEC60068-2-32
<b>Class 1 DIV 2</b>	Pending *
<b>DNV</b>	Pending *
<b>Environmental</b>	WEEE, RoHS

<b>MTBF</b>	500,000 hrs based on Mil-Hdbk-217F, GB
<b>Warranty</b>	5 years

**Power over Ethernet Specification**

<b>PoE Compliance</b>	100% IEEE 802.3af compliant
<b>PoE Classification</b>	Powered Device (PD)
<b>PoE Pin Assignment</b>	Data and power in: 1 x RJ-45. Data pin 1, 2, 3, 6, 4, 5, 7, 8 Power pin: 4,5(V+) , 7,8(V-) or 1,2(V+) , 3,6(V-) Data out: 1 x RJ-45, Data pin 1, 2, 3, 6, 4, 5, 7, 8 Power out: 1x 6 pin Terminal Block
<b>PoE Protection</b>	Over-temperature, over-current, over/under-voltage and transient

**Ordering Information**

<b>CUS-100G</b>	Industrial PoE Splitter for 10/100/1000T
<b>CUS-100GE</b>	Industrial PoE Splitter for 10/100/1000T, Extended Temperature -40 to 80°C

\* Extended temperature products are produced to order



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