Industrial Gigabit 90W PoE Injector

JetCon1701GP-U Gigabit PoE Injector

- High Power 90W PoE power output
- IEEE 802.3af/at/bt Compliance
- Fault Alert for power
- Slim Case with IP-31 grade protection
- Wide range operating temperature
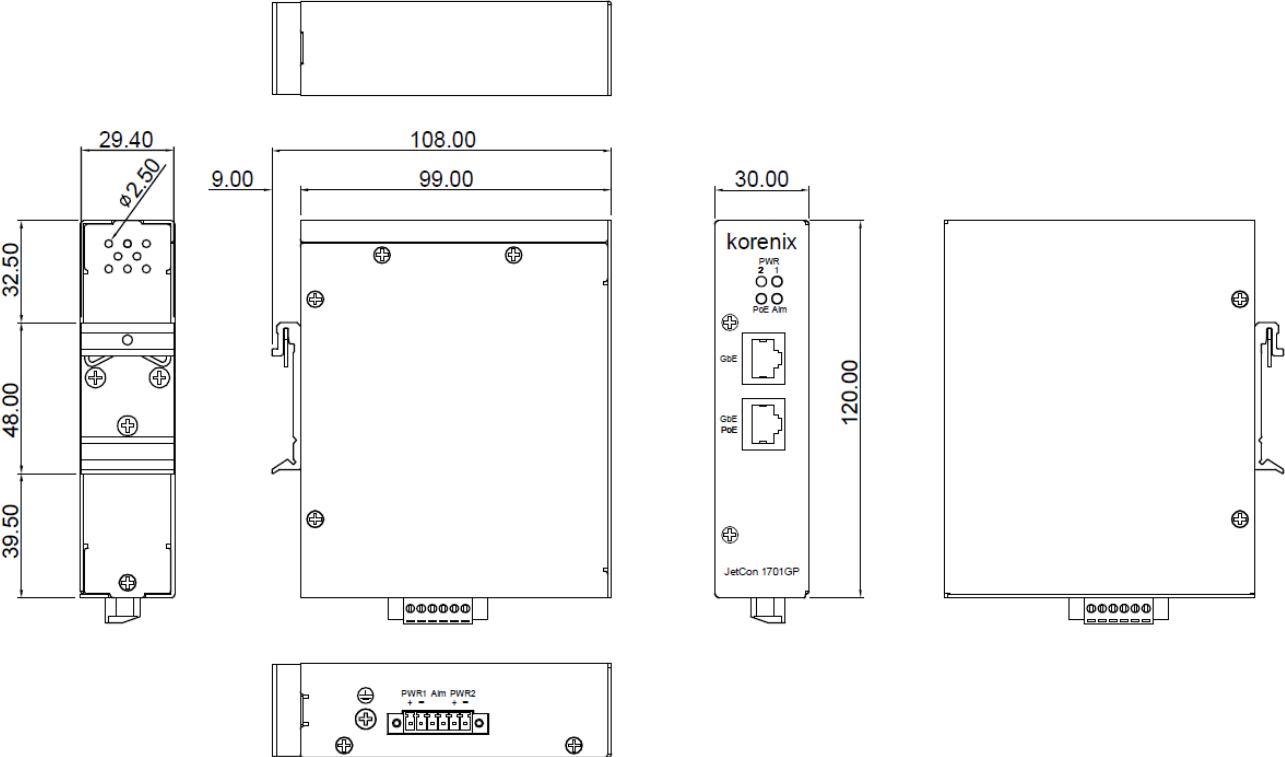- Power Redundancy with 44~57V voltage input

Overview

The JetCon 1701GP-U industrial Gigabit PoE Ethernet injector is an advanced and cost effective high power PoE injector. It is suitable for PoE applications such as video surveillance and other applications where end devices are to be supplied with power through the Ethernet cable. It is not only designed with IEEE 802.3af/at/bt compliance but also has slim metal case and IP-31 protection. For its strong characteristics, not only single power input, the functionality of real time redundant power backup results in a real Industrial Gigabit PoE injector with a non-stop transmission. It also has 44-57V wide voltage inputs

The JetCon 1701GP-U provides 1-port PoE power output. It can provide 15W/30W/60W/90W to power device (PD). Since it is the trend of surveillance and PoE application , JetCon 1701GP-U is the best product for customers.

Dimensions (Unit = mm)

29.40

ø2.50

108.00

99.00

9.00

32.50

48.00

39.50

30.00

korenix

PWR
2 1
○ ○
○ ○
PoE Alm

GbE

GbE
PoE

120.00

JetCon 1701GP

PWR1 Alm PWR2
+ — + —

Specification

Technology	
Standard	IEEE 802.3af Power over Ethernet IEEE 802.3at High Power PoE+ IEEE 802.3bt High Power PoE++

Performance	
Forwarding Technology	Store and Forward technology with 64~10K bytes packet forwarding ability
Event Alarm	relay alarm output for power events
PoE forwarding conductor	RJ-45: V-(1,2), V+ (3,6) for IEEE802.3 af/at RJ-45: V-(1,2,7,8), V+ (3,6,4,5) for IEEE802.3 bt(draft 2.0)
PoE forwarding capability	PoE Port: 15W/IEEE802-3af, 30W/IEEE 802.3at. 60W/IEEE802.3bt,90W/IEEE802.3bt PoE System Power Budget: 90W at 75°C Ambient temperature

Interface	
Ethernet Port – RJ-45	Data-port : 1 x 10/100/1000 Base-TX PSE-port : 1 x 10/100/1000 Base-TX
Alarm Contact	1 relay output with current carrying capacity of 1 A @ 24 VDC Terminal block: 4-Pin for redundant power input; 2-Pin for alarm relay output.
Cables	RJ-45 Connector: 4 pairs of Cat-5e UTP/STP cable Arrangement for 1000Base-T.
Diagnostic LEDs	System: -2 x Power (Green): On (Power On), Off (Power Off) -1 x Alarm (Red): On (Disconnect), Off (Connected) -1 x Power over Ethernet (Green): On (PD Detect), Off (None-Detect)
Power Connector	Removable Terminal Block: 44-57V power Input

Power Requirement	
Power	Removable Terminal Block: 44-57V power Input IEEE 802.3bt 90W PoE application: DC 52-57V IEEE 802.3bt 60W PoE application: DC 52-57V IEEE 802.3at 30W PoE application: DC 50-57V IEEE 802.3af 15.4W PoE application: DC 44-57V Power input with polarity reverse correction and over current protection.
Power Consumption	2.5Watts/ DC 48V (without PoE loading)

Power Requirement	
Enclosure Protection	Ingress Protection code – 31
Case	Slim metal case
Mounting	DIN Rail
Dimension	99(D) x30(W)x 120(H) mm (Without Din-rail kit)

Environmental	
Operating Temperature	-40°C~75°C
Operating Humidity	0% ~ 95% non-condensing
Storage Temperature	-40°C~80°C
Storage Humidity	0%~ 95% non-condensing

Specification

Approvals	
EMI	CE/EN 55032 class A, FCC Class A, EN 61000-3-2 :2014, EN 61000-3-3, EN 61000-6-4, EN50121-4 (Compliance)
EMS	CE/ EN 55024, EN 61000-6-2, IEC 61000-4-2,IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11
Shock	IEC60068-2-27 (Compliance)
Vibration	IEC60068-2-6 (Compliance)
Free Fall	IEC60068-2-32 (Compliance)
Warranty	5 years
Ordering Information	
JetCon 1701GP-U	Industrial Gigabit PoE Injector
Includes	1 x JetCon 1701GP-U Industrial one-port PoE Gigabit Injector 1 x Quick Installation Guide