JetCon 1702-A/-B Industrial 2-Channel Gigabit High Power PoE Injector
Quick Installation Guide V1.1

Overview

Thank you for purchasing JetCon 1702 Power over Ethernet (PoE) Injector, the JetCon 1702 is an advanced and cost effective high power PoE injector, which applies power to Ethernet RJ-45 data pairs or spare pairs for powered devices (PDs), JetCon 1702 has the IEEE 802.3at and IEEE 802.3af standard and industrial grade EMC standards as well as offering 2-channels Gigabit high power connection. It is an ideal solution to upgrade legacy Gigabit Ethernet to Gigabit PoE for use in the industrial applications where there are shortages of power, such as wireless AP and video surveillance. The JetCon 1702 provides 2 models for different powering methods, which are JetCon 1702-A injects power through data pairs of 4-pair UTP cables and JetCon 1702-B injects power through the spare pairs. It specified in the IEEE 802.3at standard and official definition - Alternative-A (Data Pair powering) and Alternative-B (Spare Pair powering).

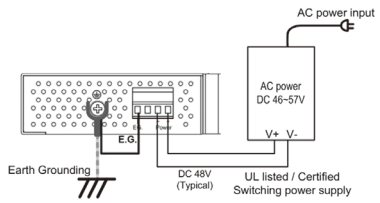
The quick installation guide will guide you through to make connection with PD devices, powering the JetCon 1702, and installing the JetCon 1702.

Package Check List

- JetCon 1702-A or JetCon 1702-B
- Quick Installation Guide
- One 4-pin removable terminal block connector

Powering the JetCon 1702

The JetCon 1702 supports one 4-pin removable terminal block with wide power input – DC 46~57V, one surge grounding connect. The wiring diagram of power connector with power supply as displayed in the chart below.

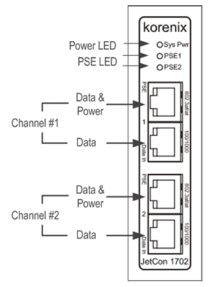


The E.G. pin must be connected with Earth Grounding Screw and which makes connection to the Power System's Earth Grounding. If the E.G. pin is not connected to Earth Grounding, then the Surge / Spark protective function will not be enabled. Besides, the connection of E.G. and Earth Grounding must remove before performing Hi-Pot or Insulation Testing. If not, the Surge protection circuit will be damaged during the Hi-Pot / Insulation testing, and the testing result will fail.

The Front Panel

The JetCon 1702 supports 2-channels Gigabit high power connection, and there are several LED to indicate the system power, PSE1 and PSE2. The data flow on each channel is shown individually.

LED	Status
Sys Power	Green on: power is applying
PSE	Green on: PoE power is applying Slow Blinking: PoE over current or cable short Green fast blinking: over voltage or over temperature
Port	**Description**
PoE	Connects to PD (WiFi AP, IP Camera) Port transmits Data and Power together Speed: 10/100/1000Mbps connection
Data In	Connects to Ethernet Switch Device, Port transmits data only Speed: 10/100/1000Mbps connection



Power over Ethernet Connection

Each PoE channel supports 30W power budget with a compliance of IEEE 802.3af / 802.3at. If the PD device does not have power, please check PD's powering method whether it is in complies with IEEE 802.3af/at standard which has the same powering mode as JetCon 1702. If different pairs of the PD's are used as feed in power, then the PoE connection will not be constructed. As shown in the charts below the powering pair cables for you reference.

Model	Powering cable pair	Note
JetCon 1702-A	1,2,3,6	Data Pair powering
JetCon 1702-B	4,5,7,8	Spare Pair powering

Note: If the PD can't be powering by JetCon 1702, then it may not be fully compliant with the IEEE802.3 PoE standard. It is recommended to use legacy power injector which feeds power directly to the PD device.

For more information about JetCon 1702, please download and checkout the datasheet from korenix web site: www.korenix.com, or e-mail korenix global technical support KoreCARE directly at KoreCARE@korenix.com.

Support

5 Years Warranty

Each of Korenix's product line is designed, produced, and tested with high industrial standard. Korenix warrants that the Product(s) shall be free from defects in materials and workmanship for a period of five (5) years from the date of delivery provided that the Product was properly installed and used.

This warranty is voided if defects, malfunctions or failures of the warranted Product are caused by damage resulting from force measure (such as floods, fire, etc.), other external forces such as power disturbances, over spec power input, or incorrect cabling; or the warranted Product is misused, abused, or operated, altered and repaired in an unauthorized or improper way.

Attention! To avoid system damage caused by sparks, please DO NOT plug in power connector when power is on.

The product is in compliance with Directive 2002/95/EC and 2011/65/EU of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronics equipment(RoHS Directives & RoHS 2.0)

Korenix Customer Service

KoreCARE is Korenix Technology's global service center, where our professional staffs are ready to solve your problems at any time Korenix global service center's e-mail is KoreCARE@korenix.com.

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