EIO-3148 NETWORK BASED IO EXPANDER.

Installation Guide

Introduction

Thank you for purchasing the EIO-3148. This guide contains the information needed to get it up and running.

Disclaimer: While Cathexis has made every effort to ensure the accuracy of this document, there is no guarantee of accuracy, neither explicit, nor implied.
Specifications are subject to change without notice.

Product Warranty

This product is subject to the Cathexis standard warranty terms and conditions.

Software Compatibility

The EIO-3148 will run on **CathexisVision 2016** (SP2). It will also function on CathexisVision 2015, and earlier, as an EIO-1148. On **CathexisVision 2016** the EIO3148 must be configured with the **EIO3184** driver. On **CathexisVision 2015**, and **2014**, it must be configured with the **EIO1148** driver.
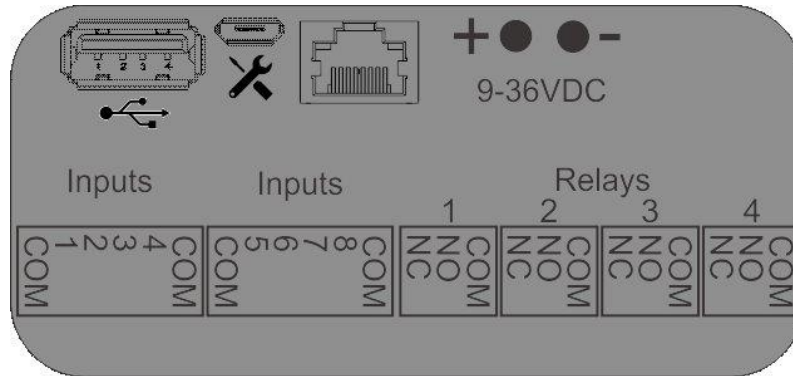
Product Features

Ordering information	
EIO-3148	Network Based IO expander
Specifications	
Ethernet interface	1
Ethernet specification	Class 4 PoE+ (15 W) IEE 802.3u
Relay (non-polarised) outputs	4 Isolated Outputs (NO and NC contacts).
Opto-isolated inputs	8
Input Interface	Isolated inputs sense contact open or closed.
Input isolation	2500 V rms for 1 minute, per UL 1577
Contact rating	60VDC 125VAC
Max carrying current	Contact Rating (Res. load): 0.5A/125VAC, 1A/30VDC, 0.3A/60VDC
Max switching power	30W 62.5VA
Max switching voltage	See Contact Rating
Contact material	Ag Au clad, AgNi Au clad
Power Consumption	5 Watts
Supply Voltage	9-36V DC and is protected against the application of incorrect polarity.
Software	**CathexisVision 2016** Backwards compatible with previous releases that support the EIO1148 (on which it will function as an EIO1148).
Physical dimensions	145x107x28 (w x l x h)

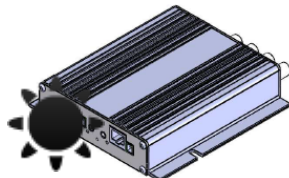| Mounting options	Flanges with 2x slotted mounting holes, and DIN rail mounting option.
Enclosure / Environment	High temperature, ROHS compliant, plastic housing. The enclosure is not waterproof, and should only be installed indoors.
Maximum EIOs per NVR	32

Connections

The connections on the front and back panel of the EIO-3148 are as such:
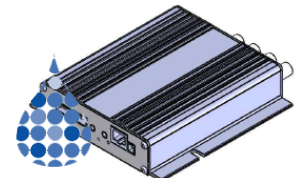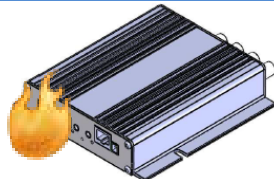

Warnings

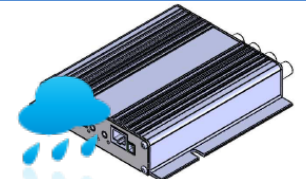|			
Don't install the encoder in direct sunlight.		Do not install the product in a damp area, or where it may be exposed to flammable liquids and/or gas.	
Do not install the product in a location where it may be exposed to extreme heat or cold (SPEC: -10 to +55 degC).		Do not install the product where it may be exposed to rain, water and/or radioactivity.	

Setting IP address

IP address can be changed via the Cathexis IP utility, which is installed with all versions of CathexisVision software.

The utility can be run from the **CathexisVision** installation folder:

1. Right-click the listed encoder or click on the File menu, and select "Set IP", to display the "Single IP" window:

   Unit IP: 192.168.34 .88
   Subnet: 255.255.240.0
   Gateway: 192.168.34 .8
   OK   Cancel

2. Change the "Unit IP" to the new IP address.
3. If necessary, also modify the "Subnet" and "Gateway" fields.
4. Click "OK".
5. The list refreshes itself approximately every 2 seconds – once refreshed, check that the encoder is now displaying the new details.

Note:
- If you attempt to change IP Address during a firmware upgrade, the IP address will not change.
- The **Cathexis** IP Encoder Utility requires Administrator access to function correctly. For most systems the utility will automatically elevate its access rights, but on some Windows installations, the user may be required to select the "Run as Administrator" option when invoking the utility. If encoders do not appear in the utility, first try "Run as Administrator" before contacting support.
- Further information is available in the **CathexisVision EIO3148 manual**.