



IIT-ECON-8 Installation

Rev 1.00



Proprietary Statement

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IIT-ECON-8 Installation

General Information

This document provides end user and installers with the required information to be able to properly install and connect the board. While care has been taken during design to ensure flexibility and ease of installation, the complete document should be read before installation of the device

Connectors

The board has been designed for use with common connection reducing the cost of custom cables while aiding flexibility. The following information explains the connection on the board and their uses.

| Connector | Description |
|---------------|---|
| Power – J10 | 12v 1.5A quick connect screw connector |
| Power – J10A | 12v 1.5A 2.5mm center positive barrel connector |
| Ethernet – J9 | 10/100 PoE safe connector |
| Port 1* | Sub board connector |
| Port 2* | Sub board connector |
| Port 3* | Sub board connector |
| Port 4* | Sub board connector |
| Port 5* | Sub board connector |
| Port 6* | Sub board connector |
| Port 7* | Sub board connector |
| Port 8* | Sub board connector |

*Note: The sub board connectors while look like an Ethernet connection are not and are a proprietary connection that utilized standard CAT-5 cables for ease of connections. DO NOT connect any of these to any Ethernet devices as damage could occur.



Connection Information

Sub Board(s)

The board was designed to minimize the risk of damage if changes to the sub board connections occur when the board is powered; sub boards should only be added / removed when the board is not powered. Detection of the sub boards is performed during the power up sequence of the board so changes will need a power event to take effect.

Ethernet

The Ethernet connection may be connected or disconnected at any time. When a new link is detected the board will attempt to obtain an address (if using DHCP) or connect using the static configured address. Once an address is obtained the board will broadcast its name and address and register on the NetBIOS network. Once this happens the board will be available for interfaceIT connections or configuration over the web management interface.

Power over Ethernet (PoE)

The board utilized a connector that is safe to use on a switch that provides PoE and PoE+, however the board does not utilize that feature due to the power requirements.