The IO-16-485 allows the JACE to extend applications to include inputs and outputs remotely located up to 4,000 feet from the JACE.

The IO-16-485 expands the JACE capability by providing inputs and outputs for monitoring and control functionality.

IO-16-485

Overview

The IO-16-485 is part of the VYKON portfolio of hardware, software and tools designed for remote monitoring and control applications that enables end-to-end automation and device-to-enterprise integration.

The IO-16-485 allows the JACE to extend applications to include inputs and outputs remotely located up to 4,000 feet from the JACE. The connection is established via an industry standard RS-485 multi-drop communications bus. Up to sixteen (16) IO-16-485 devices can be utilized on a single JACE providing a total of 256 IO points on a single JACE.

Features

- 16 IO Points per device
  - 8 Universal Inputs - Type 3 (10k) Thermistors, 0-100K ohm, 0-10 vdc, 0-20 mA with external resistor
  - 4 relay outputs (Form A contacts, 24 VAC @ .5 amp rated)
  - 4 analog outputs (0-10 vdc)
- Up to 16 remote IO-16-485 modules max per JACE (limit of 4 on a JACE-2 and JACE-202-XPR)
- Power Options
  - Direct connect (Pin compatible) with the NPB-PWR-UN power supply.
  - Modules can be powered directly from select JACE models with 15VDC outputs.
  - External 15 VDC power supply
- DIN rail or surface mounting

Applications

The IO-16-485 expands the JACE capability by providing inputs and outputs for monitoring and control functionality. In addition, the Niagara[AX] Framework library of control function blocks can be utilized to build complex control algorithms in the JACE. Up to four (4) modules can be used with a JACE-2 or JACE-202-XPR and up to sixteen (16) with a JACE-6 or JACE-7.

Specifications

Inputs

- 8 Universal Inputs - Type 3 (10k) Thermistors, 0-100K ohms, 0-10 vdc, 0-20 mA with external resistor

Outputs

- 4 relay outputs (Form A contacts, 24 VAC @ .5 amp rated)
- 4 analog outputs (0-10 vdc)

Power

- 12-15VDC

Power Consumption

- All relay off: 0.75W
- All relays energized: 2.0W
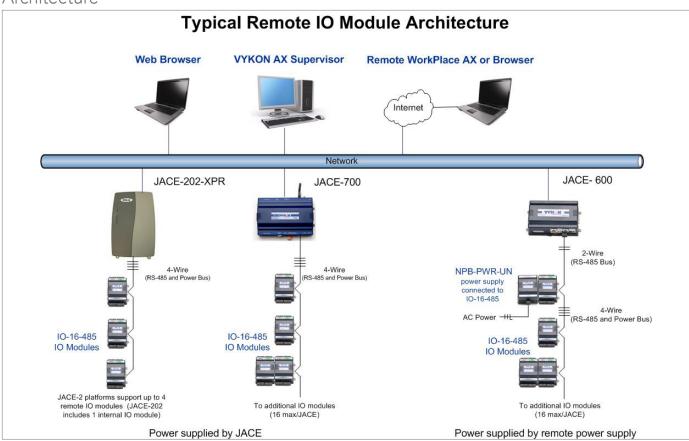- Refer to the IO-16-485 Installation Guide for requirements when powering the module from a JACE.

Complaince Listings

- UL-916
- CE
- RoHS

Ordering Information

Model/Part Number	Description
IO-16-485	16 Point Remote IO Module
NPB-PWR-UN	Optional 90-263 VAC 50/60 HZ, Auto sensing Universal Power Supply

Architecture

Typical Remote IO Module Architecture