

VYKON IO-16-485 General Release

To: VYKON Partners
From: Tridium, Inc.
Date: August 2009
Topic: **VYKON IO-16-485 General Release Announcement**

We are pleased to announce the release of the IO-16-485, a new enhancement to Niagara^{AX} systems that will allow you to connect more devices, more conveniently, and at lower cost.

The IO-16-485 Remote Input/Output Module allows JACE® controllers to extend monitoring and control applications to include inputs and outputs that are remotely located up to 4,000 feet from the JACE. The IO-16-485 supports a mix of analog and digital inputs and outputs – eight (8) universal inputs, four (4) relay outputs, and four (4) analog outputs. Connection to IO-16-485 modules is established via an industry standard RS-485 multi-drop communications bus, enabling one wiring trunk to greatly reduce the “homerun” wiring requirements of many input and output devices. Depending upon application and JACE selected, up to sixteen (16) IO-16-485 devices can be utilized on a single JACE supporting a total of up to 256 IO points.

The IO-16-485 is all about reducing installation costs and providing installation flexibility.

Here are a few examples:

- Reduce wiring costs by locating IO-16-485 Modules close to input/output devices
- Run power in same trunk as comm wiring to reduce installation time & cost
- Use IO-16-485 modules to reduce the number of JACEs required for applications requiring picking up remote devices
- Use IO-16-485 modules to monitor and control additional equipment located remotely to help your customers understand their energy usage and lower costs.

The technical specifics and detailed product features are outlined on the attached documents. As a brief summary:

- Operates only in JACE-2, JACE-202-XPR and JACE-6 platforms at this time
- The Niagara Remote Input Output (nrío) driver for these devices requires Niagara^{AX} 3.4.51 or higher
- Remote IO modules have the same input/output configuration as the existing IO-16 and IO-34 Modules that are offered today

The IO-16-485 will be available for shipping the week of September 9, 2009. Orders can be accepted immediately.

For additional information, please contact your Tridium representative.