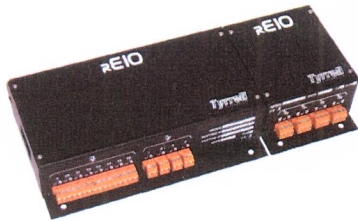


rEIO - Remote Ethernet I/O



rEIO is an integrated and cost-effective solution from Tyrrell Systems for the remote monitoring and control of digital inputs and outputs in the field.

rEIO is as versatile as your requirements are varied, for instance: centralised management of inputs from distributed fire alarm panels; control of CCTV camera presets; or the ideal answer for pulsed meter data collection.

■ A remote solution

Many digital I/O modules rely purely on interfaces such as RS-232 for their communications with the host. As a result, that host (typically a PC) often has to be located physically close to the I/O module and/or is limited as to the number of modules to which it can interface without adding a multi-port serial card or line-driving hardware.

rEIO, based on trusted IT standards allows the host to communicate with the I/O modules over IP and thus be located where it is most convenient for the project.

■ An integrated solution

Undeniably, 'off-the-shelf' products are available that offer you a hardware solution, a set of commands for controlling that hardware, and a bulky reference manual. And that's just where the solution may end and your problems begin as you try to program your specific control application.

At Tyrrell Systems, we believe in making things easy for our customers. rEIO is a total Ethernet based solution that our own fully-trained engineers or resellers can install and configure for your application.

To ensure its versatility, rEIO has been designed as an extension to ObSys, the Object System from North Building Technologies, and Tridium AX JACE and Web Supervisor. Therefore, rEIO is based on the most flexible integrated building integration technology available today.

■ A solution with plenty of capacity



Each rEIO I/O module offers 16 digital opto-isolated inputs, 4 universal analogue inputs and 16 digital outputs. Digital inputs 1-8 incorporate 32-bit counters, for metering applications. One or two optional 8A relay modules can drive either 8 or 16 relays from the available outputs.

A single rEIO installation can support up to 32 I/O modules and thus a total of 512 digital inputs, 128 analogue inputs and 512 digital outputs.

■ Choice of host



rEIO runs either on a standard Windows PC or our own Communicator integrated integration solution, full details of which are available from Tyrrell Systems.

On a PC, rEIO uses a Tyrrell security device which requires one spare USB port.

■ Minimum specification for Windows PC host

- ▶ ATX mini-tower or tower base unit with PSU
- ▶ 1.2GHz Processor
- ▶ 256Mb RAM
- ▶ 4Mb graphics card, 1024 x 768 resolution, 16-bit
- ▶ 17" CRT monitor or flat panel
- ▶ 20Gb UDMA hard disk drive
- ▶ 9-way serial port
- ▶ 10/100mb NIC Ethernet card
- ▶ 52x speed IDE CD-ROM drive
- ▶ 3.5" 1.44Mb floppy disk drive
- ▶ PS/2 or USB optical mouse with scrolling
- ▶ PS/2 Windows keyboard
- ▶ Operating system: Microsoft Windows 98 SE *or better*

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