

**** FOR IMMEDIATE RELEASE ****

Wireless NEMA 16-Channel Optically Isolated Input / Relay Output Module And Wireless Serial Modem

SAN DIEGO, CA—February 17, 2006—ACCES I/O Products, Inc. is excited to announce a new addition to its line of wireless data acquisition products—the Model WM-IIRO-8. The unit features 8 Form C (SPDT) electromechanical relays and 8 optically isolated digital inputs with change-of-state interrupt generation. The WM-IIRO-8 is an intelligent 8-bit parallel digital I/O unit that communicates with an ACCES Wireless Serial Modem (sold separately) via a 900MHz wireless connection. Up to 255 devices can easily be used with one Wireless Serial Modem which connects to a host computer's standard COM port using RS-232 (or RS-485) serial communications. Both the WM-IIRO-8 and Wireless Serial Modem are packaged in small, rugged, NEMA4 enclosures; perfect for remote installations in harsh atmospheric, industrial, or marine applications. The unit offers a low-cost alternative to costly signal wire installations in applications such as agricultural and irrigation systems, building management and control, security, and factory automation.

A text-based command/response protocol permits communication with most computer systems. The unit can operate at distances up to 7 miles line-of-sight (up to 20 with optional antenna). The 8 isolated inputs can be driven by either DC sources of 3-28V (or higher by special order) or AC sources at frequencies of 40Hz to 10kHz and are not polarity sensitive. Input signals are rectified by photocoupler diodes. External resistors connected in series with the photocouplers may be used to extend the input voltage range. Each input circuit contains a low-pass switchable filter to accommodate AC inputs. The electromechanical relay outputs may be programmed individually or as an 8-bit byte. These outputs may be latched or pulsed for a prescribed period of time. The relays are de-energized at power-on.

A microcontroller gives the WM-IIRO-8 the capability and versatility expected from a modern, stand-alone, distributed control system. A built-in watchdog timer resets the pod if the microcontroller hangs up. Data collected by the unit can be stored in local RAM and accessed later through the computer's serial port.

Key features of the WM-IIRO-8 include:

- 8 Optically-Isolated, Non-Polarized Digital Inputs with Change-of-State Detection
- 8 Form C SPDT Electromechanical Relays Can Switch Up to 1 Amp Each
- Relays Can be Configured for Level or Pulse Modes
- Microcontroller with RAM and EEPROM
- Built-in Watchdog Timer
- NEMA4 Enclosure for Harsh Atmospheric, Industrial, or Marine Environments
- Ability to Program with Custom Firmware over Wireless Connection
- 900MHz Wireless Connection
- RS-232 (or RS-485) Serial Interface to Host Computer
- OEM Version without NEMA4 Enclosure
- Optional Input Only and Relay Only Versions

The WM-IIRO-8 is supported for use with virtually any computer and includes a text-based Windows software package. Text programming permits you to write applications in any high-level language that supports ASCII string functions. This package contains a graphical setup program along with sample programs and source code in Visual Basic, Delphi, C++ Builder, and Visual C++. A Windows-based application is included that allows for establishing communication, quick setup and testing of I/O. The program displays all inputs and outputs simultaneously, and allows for one-click operation. Full source code is provided, as well as a number of other samples in a variety of languages to demonstrate

techniques for developing custom applications for logic functions, etc. The board can also be used as a stand-alone controller with the help of our Firmware Development Kit.

ACCES I/O Products, Inc. supplies an extensive range of analog, digital, serial communication, and isolated I/O boards and solutions. ACCES also offers complete systems, integration services, and enclosures with a quick turn-around on custom projects including software. ACCES products are designed for use with PC/104, PCI, PCI-X, Low Profile PCI, EBX, ETX, EPIC, USB, Ethernet and ISA, as well as distributed and wireless I/O. All hardware comes with a 30-day, no-risk return policy and a three-year warranty. For further information, visit the company's web site at www.accessio.com.

Price: WM-IIRO-8 (Wireless 16-Channel Input / Relay Output Module)—\$439.00

WM-09-DP-232 (900MHz Wireless Serial Modem)—\$350.00

OEM and volume pricing available, consult factory

Availability: Now

Delivery: Stock to two weeks ARO

For Further Information, Contact:

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New Wireless NEMA 16-Channel Opto-Isolated Input/Relay Output Module and Wireless Serial Modem (Model WM-IIRO-8)

 **ACCES**
I/O PRODUCTS, INC.