

DCON Utility Video Presentation



Click Here to Learn How to Configure and Test Remote Data Acquisition Modules



FAQ of the Week

Q: Can the I-7000 Modules be used as a Half Duplex RS-485 System?

A: Yes . The I-7000 is worked in a Half Duplex RS-485 system. The I-7000 uses a two-wire, D+ and D-, differential RS-485 network. The D+ and D- signal logically form a single bi-direction data line, so this single data line can send or receive data in the different time. Therefore the 7000s can't send the command string and receive the result string at the same time. The host computer must send the command string first then wait for the result string returned by the 7000 modules .

Remote Analog Data Acquisition Modules:

ICP DAS USA Analog Data Acquisition Modules Communicable via RS-485

| Analog I/O Modules | | | | | | | |
|---|----------------|-----------------------------------|------------------------|-------------------------|---------------|-------------------------|-------|
| Model | Input Channels | Analog Input Type | Analog Output Channels | Digital Output Channels | Sampling Rate | Over Voltage Protection | Price |
|  I-7005 | 1 | Thermistor | 0 | 6* | 8 Hz | ±5V | \$375 |
|  I-7015 | 6 | RTD | 0 | 0 | 12 Hz | ±5V | \$375 |
|  I-7017 | 8 | Voltage or Current | 0 | 0 | 10 Hz | ±35V | \$230 |
|  I-7018 | 8 | Voltage, Current, or Thermocouple | 0 | 0 | 10 Hz | ±35V | \$235 |
|  I-7018Z (High Accuracy) | 10 | Voltage, Current, or Thermocouple | 0 | 0 | 10 Hz | ±240Vrms | \$435 |
|  I-7019R | 8 | Voltage, Current, or Thermocouple | 0 | 0 | 10 Hz | ±240Vrms | \$340 |
|  I-7022 | 0 | - | 2** (mA, V) | 0 | - | - | \$270 |
|  I-7024 | 0 | - | 4 (mA, V) | 0 | - | - | \$320 |

* Can be used as DO or High/Low Alarm.

** Channel to Channel Isolation

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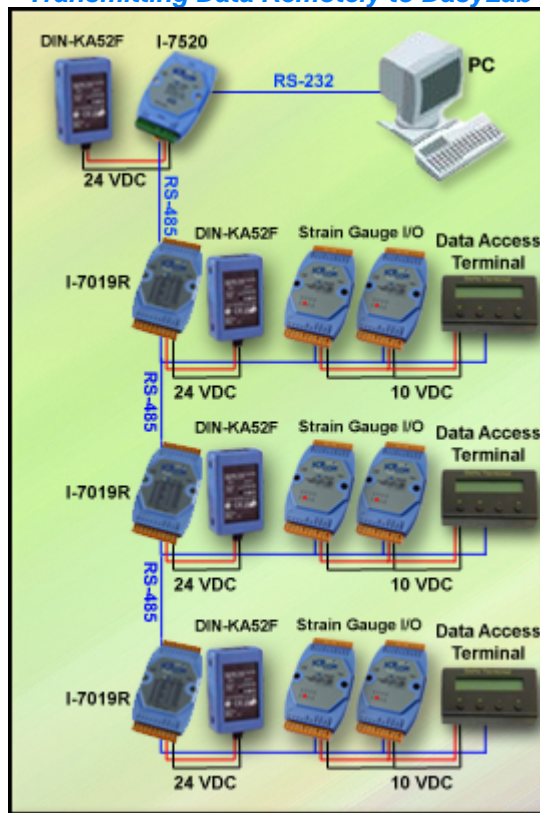
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Featured Application Story



Hoskin Scientific implemented our [I-7019R Universal Analog Input Modules](#) in conjunction with Hoskin's own custom fabricated data access terminals to effectively monitor tensile strain and lapses across the surface of a retaining wall. The data is transmitted remotely to a DasyLab powered PC for evaluation.

The installation monitors strain across the retaining wall at three integral locations with each monitoring point about 1000m apart. Each monitoring installation consisted of an [I-7019](#) universal analog input module, a [DIN-KA52F](#) power supply, and two separate Hoskin Scientific fabricated bridge completion modules; containing three precision 120Ohm completion resistors housed in ICP DAS dummy modules.

The entire monitoring installation was networked to communicate via RS-485 between both the data acquisition modules, as well as the data logging source.

[Click Here](#) for the full application story.

Special Promotional Pricing January 2008



DeviceNet Master /
Modbus TCP Server Gateway

I-7243D: \$455 [Add to Cart](#)

I-7243D is a solution that provides communication protocol transfers of the DeviceNet and Modbus/TCP protocols. It also solves a mission-critical problem: connecting existing DeviceNet networks to Ethernet-based PLCs and PC-based configuration and monitoring systems. I-7243D enables DeviceNet networks to be coupled together over the Internet/Ethernet, whereby remote monitoring and control is possible.

- Programmable DeviceNet Master MAC ID.
- Programmable DeviceNet Transfer-Rate: 125K, 250K, 500K.
- Supports Up to 63 DeviceNet Devices
- Predefined Master/Slave Connection Set
- 64 Maximum I/O Fragment Number
- Supports I/O Operation Modes:
Poll, Bit-Strobe and Change of State/Cyclic
- Supports one Poll, one Bit-Strobe, one COS, one Cyclic IO connection for each DeviceNet device when connected with this module.
- Supports Online Adding and Removing of Devices from the Network.
- Supports Boot-up Auto communication with Slave Devices.
- Converts single Modbus/TCP to multi Modbus/RTU
- Supports VxComm technique for every COM port of controller
- Allows Simultaneous Multi-Client (or Master) Access

*Offer not valid for resellers and distributors.

**Do You Have an
Application Story
to Share with Us?**

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