

FAQ of the Week

Q: When Do I use a Repeater in an RS-485 Network?

A: Users should use repeaters when the network has more than 256 modules, or if the network is greater than 1.2 KM in distance.

Data Acquisition:

ICP DAS USA offers the latest in cutting edge Data Acquisition Technology.



ICP DAS 7000 series distributed I/O modules offer the most cutting edge data acquisition capabilities for your industrial control needs. T



The ET-6000 series are web-based Ethernet I/O modules. Each one has a built-in web server that used for all configuration, I/O data monitoring and controlling using a regular web browser dynamically.



Our PCI and ISA data acquisition boards offer cutting edge data acquisition capabilities for your industrial control needs. The ICP DAS PCI, PIO, PISO, and ISO data acquisition boards are available in a bevy of digital and analog configurations.



ICP DAS M-7000 Series is identical to the I-7000 family, but capable of communication via ModBus protocol!

Promotional Pricing

\$185



I-7080B
Counter / Frequency
Input Module with
Battery Backup



ICP DAS I-8000 parallel series, high speed cartridge based I/O modules offer the most cutting edge localized COTS data acquisition capabilities for your industrial control needs.



CANopen is a kind of network protocol based on CAN bus and has been used in various applications, such as vehicles, industrial machines, and building automation.



FRnet is an innovative industrial field bus offering high-speed deterministic I/O control, real I/O synchronization capabilities, non-protocol communication, and easy programming



ICP DAS I-87K serial cartridge based I/O modules offer the ultimate in cost effective flexibility, when it comes to a localized COTS data acquisition program.

Do You Have an Application Story to Share with Us?

[Click here](#) to share your story with ICP DAS USA! We would love to hear about your product implementations. [Click here](#) to read our comprehensive list of application stories. They are downloadable in .PDF format for your convenience! [Click here](#) to see a list of many of our long time, satisfied customers.

Featured Application Story

OceanWorks Utilizes I-7000 I/O Modules

Special Promotional Pricing

November 2007



Counter / Frequency Input Module with Battery Backup

I-7080B: \$185 [Add to Cart](#)

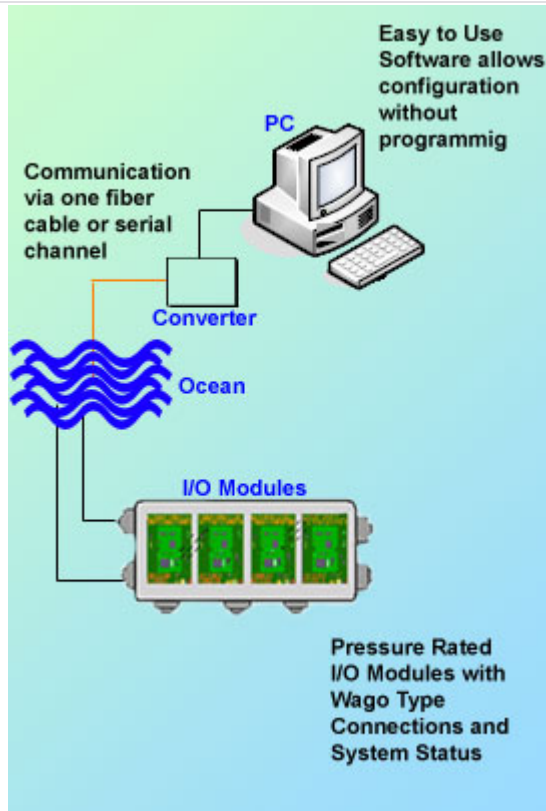
I-7080BD (with display): \$240 [Add to Cart](#)

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OceanWorks™ has designed OceanView™ Control which allows the end user to configure the system through a graphical user interface so that input can be manipulated without complicated coding.

- OceanWorks™ requires hardware that can be exposed to up to 5,000 psi ambient pressure
- I-7000 modules were the perfect physical size, had the correct combination of features, and were convenient.
- OceanWorks™ saved at least six months because they didn't have to write their own Active-X control.
- OceanWorks' needs for the challenging subsea environment were met through the compatibility and reliability of ICPDAS modules.

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

I-7080 is intelligently designed to provide signal conditioning system monitoring, safe value settings and battery backup. In case of power failure, it will keep the readings.

- **Counter Input**
 - 2 independent 32-bit counters
 - Counter 0&1
 - Input Type: Isolated or non-isolated
 - Programmable Digital Noise Filter:
 - 2µs to 65ms
 - Programmable Alarm on Counter 0
 - Or Counter 0 & 1
 - Programmable Counter Reset Value
 - Built-in Battery Back Up: for Counter Value
- **Frequency Measurement**
 - Input Frequency: 1 Hz to 100 KHz max.
 - Programmable Gate Time:
 - 1.0 or 0.1sec
- **Digital Output**
 - 2 Digital Output Channels
 - Output Type: Source, Open-Collector
 - Output Voltage: 30V max.
 - Output Current: 30mA max

*Offer not valid for resellers and distributors.

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