



High quality data acquisition and embedded control products.

CONTACT:

Maria Santella
Technical Sales Engineer
ICP DAS USA, Inc.
Ph: 1-310-517-9888 x105
Fax: 1-310-517-0998
marias@icpdas-usa.com
<http://www.icpdas-usa.com>

FOR IMMEDIATE RELEASE



Release Date: June 22, 2009

I-7243D: DeviceNet Master / Modbus TCP Server Gateway

Device networks can be seen as countries in how they communicate. Within their own boundaries, people naturally communicate well because they speak the same language and have a common culture. Within the workings of the automation networks playing increasingly larger roles in plants, offices and projects, those people are device nodes and that language is a protocol. The tricky part comes in when we want different kinds of networks to come together to a larger end. The payoffs can be sizable in terms of productivity and cooperation, but a smooth bridge of communication is crucial. That's where [I-7243D](#) comes in. This compact machine functions both as a DeviceNet Master and as a Modbus TCP Server Gateway. As a server gateway it effectively connects existing DeviceNet networks to Ethernet-based networks involving PICs and PC configurations. One natural and powerful application would couple DeviceNet networks over Internet/Ethernet, enabling fluent remote monitoring and control. In its capacity as a DeviceNet Master, the [I-7243D](#) is a "Predefined Master connection Set," supporting Group 2 only Server functions to communicate with slave devices.

You may get the sense the [I-7243D](#) is quite a technological diplomat. As such, it is suited to multiple capacities, existing as a translational hub relaying data over the Internet with multiple serial devices functioning as clients and multiple Modbus/TCP devices functioning as masters. The module can also interface directly through its RS-485 port with Modbus RTU devices, through a CAN connection with DeviceNet Devices (up to 64 devices) and through a special VxComm technique with RS-485 and RS-232 devices. This flexibility of exchange makes the [I-7243D](#) an enabling component in various automation, control and data acquisition schemes. The unit can even work as a single Modbus/TCP to multi-Modbus/RTU converter. A host of features support this considerable functionality: VxComm for COM port to Ethernet compatibility, support for a variety of connection signal types, on-line addition and removal of network devices, ample internal memory for network interfacing, boot-up auto-communication with slave devices and potential multi-client or multi-master simultaneous access. This advanced technology is protected from electrical disturbances with 1KVDC isolation on the CAN side and from temperature variations with an architecture that runs smoothly from -25°C to 75°C. You have powerful electrical equipment and networks. For greater optimization, those elements can integrate into a common system. Our [I-7243D](#) enables that system for you.

To learn more about the variety of ideas and real projects integrated with ICP DAS hardware, visit our website at www.icpdas-usa.com, or give us a call, toll free, at 1-888-971-9888 and one of our engineers would be happy to assist in reviewing the project requirements, ensuring that the highest quality solution is presented in your final application

**ICP DAS USA, Inc. www.icpdas-usa.com, 1-310-517-9888
1508 West Pacific Coast Highway, Harbor City, CA 90710**