



High quality data acquisition and embedded control products.

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PDS 700 Series: Programmable Serial Port to Ethernet Device Server

The electronic revolution enabled the Internet and networking revolutions. Unfortunately, many electronic devices aren't equipped to interface with networks, especially devices commonly used in automation projects, such as PLC's, sensors and controllers. Such a shortcoming clearly undermines how helpful and integrated such technologies can be. Our [PDS 700 series](#) of programmable serial to Ethernet device servers solves this common problem. These compact, pod-like machines offer a host of features to network-enable devices on the plant floor and in the office and home environments.

Any device with a RS-232/485/422 port can be connected to an Ethernet network and thereby be remotely controlled and monitored. With the VxComm utility, the built-in COM port on [PDS-700](#) models can be virtualized to a standard COM port of a host PC. The 10/100 Base-TX Ethernet port is fully featured with auto-negotiation, auto_MDIX and LED indicator while the RS-485 port is similarly sophisticated with its self-tuner ASIC controller. The modules in the [PDS-700](#) series offer powerful programming functionality as device servers which run on ICP DAS's built-in MiniOS7.

These servers may be sophisticated, but delicate they are not. The serial ports provide +/-4KV ESD and the modules also employ power reverse polarity protection. The units feature fire retardant materials at the level of UL94-V0 and run smoothly in a temperature span of -25°C to +75°C. The safety of watchdog timers ensures these models will be reliable in harsh environments. Powerful individual components often aren't enough. The Serial-to-Ethernet Programmable Device Servers of our [PDS-700](#) series enable your devices to connect to the network.

[ICP DAS USA](#) is a cost effective leader in the US industrial market; offering a stunningly competitive price/performance ratio, while catering to the latest solutions for current industrial trends. Our Mission: We seek to provide our customers with cost effective, flexible, and easy to use solutions for their Data Acquisition and Embedded Control Applications. 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.

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