



PRODUCT DATA SHEET

DEVICENET™ SERVER DEVELOPMENT KIT

Catalog No. 494DS

Connectivity is no longer an option for Industrial Devices – IT IS A REQUIREMENT. And the most important Industrial I/O Network is DeviceNet. DeviceNet is the I/O solution implemented by all the leading Programmable Controller vendors including Rockwell Automation and it's the required I/O solution at GM.

You can now add DeviceNet Server Communications to your product quickly and easily with the DeviceNet Server Development kit from Real Time Automation. Developed specifically for embedded, industrial applications and fully integrated with a number of standard CAN controllers, you will have DeviceNet communications in days not weeks, months or years. The development kit includes everything you need to implement your DeviceNet Server solution; “no royalty”, single task source code, a ready-to-run sample application, a DeviceNet Server Tool, complete documentation and much more.

When you get the DeviceNet Server Development kit you get a product of thousands of hours of engineering time. Supporting Polled Operation as a Group 2 Only with UCMM (Unconnected Message Manager) slave, RTA DeviceNet technology is used in everything from barcode readers to valve controllers to flow controllers and many other devices. With a small footprint, support for both 8-bit and 16-bit embedded systems the DeviceNet Server Development kit is the perfect tool to create custom DeviceNet Server Devices. Conforming to the latest release of the ODVA DeviceNet Conformance test software the RTA DeviceNet Stack offers the quickest method of moving your product into the fast growing DeviceNet marketplace.

FEATURES

- ✓ Fully Compatible with Phillips XAC3, Lantronics DSTNi, NetBurner uC/OS, Atmel CC01 and many other CAN Controllers
- ✓ Single Task Solution for devices with embedded Operating Systems
- ✓ Easily Adaptable to No Operating System Devices
- ✓ All standard DeviceNet Objects are supported including:
 - Identity Object
 - DeviceNet Object
 - Connection Object
 - Message Router
- ✓ Prototype Application objects are provided including:
 - Input Point Objects
 - Output Point Objects
 - Analog Input and Output Objects
 - Assembly Object illustrating assembly of Discrete and Analog into DeviceNet assembly



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- ✓ *Polled, Change-of-State and Cyclic I/O Connections*
- ✓ *Group 2 Only Server Operation*
- ✓ *Fragmented Explicit and I/O Messaging*
- ✓ *Easily integrated Vendor Objects using vendor specific object stubs*
- ✓ *Dipswitch or non-volatile baud rate and Macid support*
- ✓ *Ack Handler, Hearbeat Message Production*
- ✓ *Guaranteed to Pass ODVA Conformance Testing*
- ✓ *Single, 10msec timer is only system resource required from the OS or application software*
- ✓ *DeviceNet Conforming Single and Combo LED Support*
- ✓ *Fully Compatible with DeviceNet Conformance Release 13*
- ✓ *100% "C" based source code*
- ✓ *"No nonsense", no royalty licensing*
- ✓ *Complete Integration Manual*
- ✓ *Small 15K Footprint*
- ✓ *Other Optional Products and Services Include:*
 - *Onsite Training*
 - *End User Support*
 - *Electronic Datasheet (EDS) File Development*
 - *DeviceNet Master Source Code*

For More Information and Pricing Contact:

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