

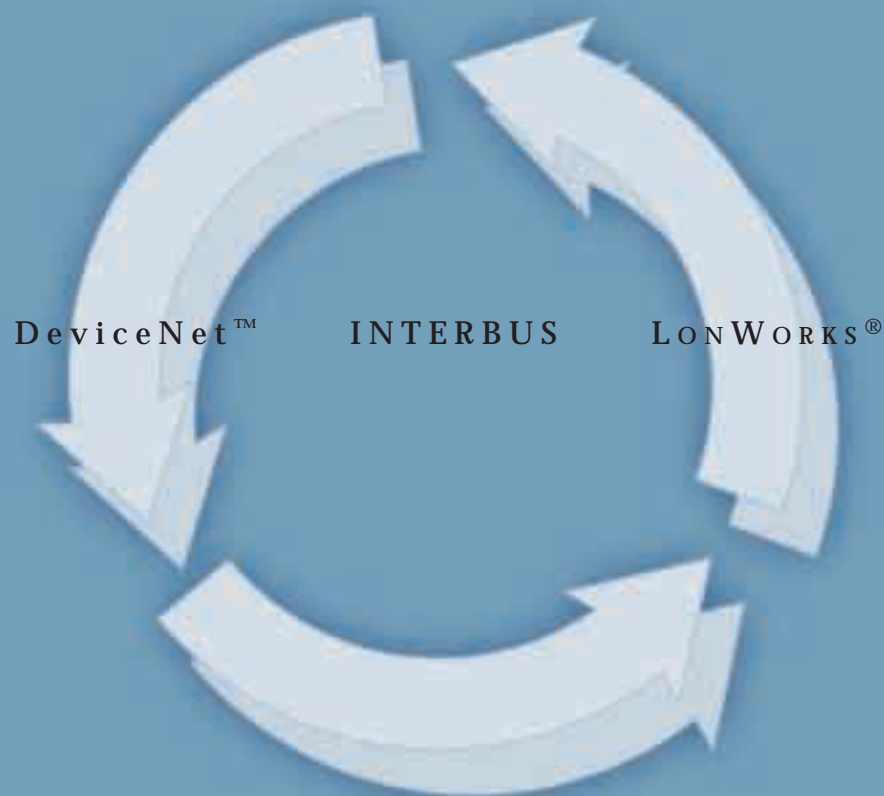
OpenNet Controller

Intelligent PLCs and Intelligent I/O



idec

Open



Networks

OPEN NETWORK ARCHITECTURE

To survive in an industry dependent on accurate data exchanges between a variety of products, compatibility and connectivity have become more than just buzz-words; they're a vital part of your day-to-day business operations.

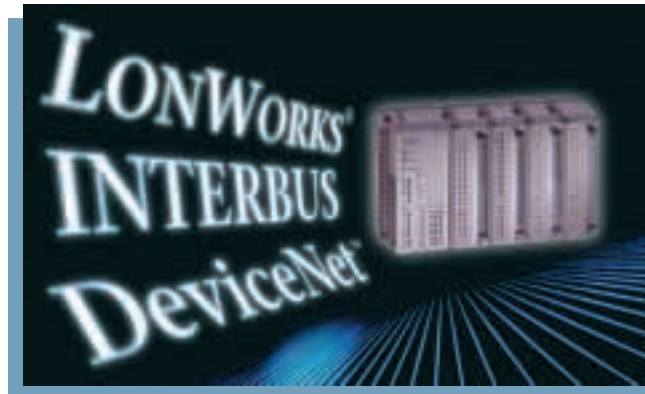
One Solution

Until now, PLC users were locked into communication protocols unique to the manufacturer. In an automated network of PLC master and slave units, replacing a single unit meant purchasing from the same manufacturer. Trapped into a closed architecture, your PLC and I/O options were significantly limited.

Now IDEC introduces the OpenNet Controller, an interchangeable PLC compatible with major industrial buses. Expanding your I/O and existing network, or designing a new system to work hand-in-hand with an existing one is now free of compatibility issues. This open network architecture gives users the control to design systems that are more powerful, cost less and provide flexibility as network technologies change.

The OpenNet Controller is powerful and expandable. Building onto a CPU module or into an existing network, you choose the number or type of I/O and expansion units which fit your network or system requirements.

With its building-block design and open architecture, IDEC's OpenNet Controller offers compelling PLC flexibility to solve your demanding networking needs of both today and tomorrow.



DeviceNet™ and LONWORKS® are trademarks of ODVA and Echelon, USA, respectively.

ONIC



- Digital I/O
 - 8, 16, and 32 point cards
 - 224 Inputs and Outputs; Expandable to 480
 - 512 Remote I/O (with INTERBUS remote I/O)
- Analog I/O
 - Up to 42 analog inputs or 14 analog outputs
- Built-in Communication Ports
 - Two RS232, One RS485
- Built-in High-speed Counter
 - Two-channel, 10kHz, 16-bit resolution
- Memory
 - 16K-words user program capacity
 - Flash miniature card slot
- Real-time Calendar/Clock
- Password Protection
- PID Algorithm

A CPU WITH POWER AND OPTIONS

T rue PLC high performance requires a powerful CPU, and IDEC's OpenNet Controller has covered all the bases. Regardless of your system or networking requirements, this baby gets it done.

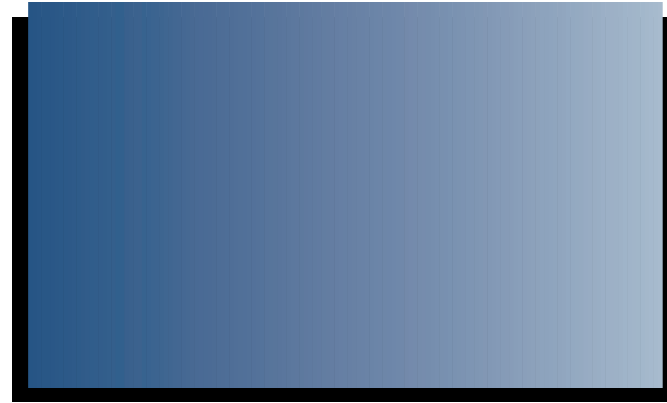
Communications

IDEC's OpenNet Controller offers superior communication flexibility. CPU modules come standard with two RS232 ports, making connections to any RS232C equipment hassle-free. Direct modem dial-up and pager applications are worry-free as well, through the built-in Hayes "AT" command set.

With master and slave CPU modules, a data link network can provide virtually unlimited options for your system. Through data linking, up to 32 ONC, Micro³, FA series and HG series operator interfaces can be connected, providing the powerful communication results you're looking for.

Up to 32 ONC PLCs can be connected through a 1:N computer link system as well. Uploading, downloading or monitoring data through a PC is an easy and efficient way to maximize your network.

The OpenNet Controller is the PLC you customize to fit your specific needs. Every option, networking feature and communication function has been considered, which makes the ONC as powerful in execution as it is in concept.



16 DC input points (sink/source)

32 transistor output card

6 analog input card

16 relay output card

8 AC input card

Up to 8MB flash memory card

OpenNet Controller CPU



RS485 port

RS232 port

INTERBUS interface module (SX Network I/O)

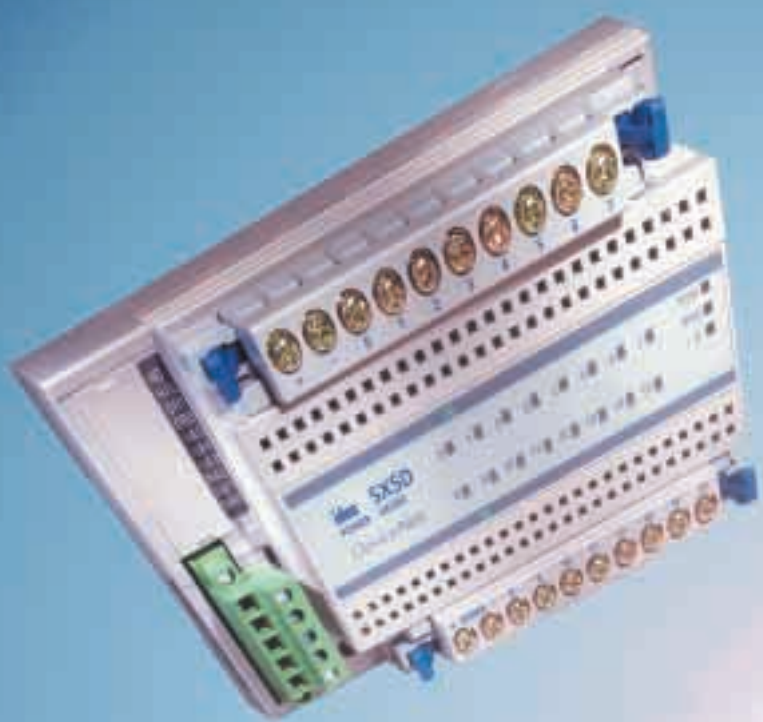
DeviceNet™ interface module (SX Network I/O)

RS232 port

LONWORKS® interface module (SX Network I/O)

32 DC input points (sink/source)

NOTE: 1. When configuring ONC, the eighth slot must be an expansion power supply module. The featured photo is only to demonstrate the variety of available modules.
 2. To configure an INTERBUS or DeviceNet™ network, a master module is needed.



SMART AND FLEXIBLE I/O

Networking solutions can save you money by reducing the installation cost of your I/O's. Through networking, your I/O's will actually improve your system performance while reducing overall expenses.

Network I/O

IDEC's SX5 Series smart I/O's are the networking solution that can reduce wiring, installation, machine downtime, and debugging costs. The SX5 Series will communicate with major industrial buses such as INTERBUS, DeviceNet™ and LONWORKS®. This flexibility allows IDEC's SX5 Series to interface with PLCs from a variety of manufacturers, eliminating most compatibility issues. Each SX I/O unit is available in the following packages:

- 16-point transistor input
- 8-point relay output
- 16-point transistor output
- 8-point transistor input and 8-point transistor output

SX5 Series Key Features:

- INTERBUS I/O compatible with IDEC ONC remote I/O master module
- Removable terminal blocks for easy maintenance
- Finger-safe spring-up screw terminals
- Compact body 75 x 132 x 48 mm
- Mounting on a 35mm wide DIN rail or on a panel surface
- Both inputs and outputs are available in sink or source types
- Relay outputs are also available
- The source output is protected against overload



SX Network I/O

COMPLETE SOFTWARE SOLUTION

With IDEC's Windows-based software package, WindLDR® 3.0, your PLC programming needs are a snap. Intuitive and powerful, WindLDR 3.0 is the easy way to get your PLC up and running in a hurry.

At IDEC, we believe in keeping things simple. That's why WindLDR 3.0 software can program every PLC we make—from the Micro-1 to the OpenNet Controller! WindLDR is the PLC software package you can program with confidence. Thoroughly tested throughout the industry, WindLDR comes to you with a proven track record of quality and reliability. WindLDR 3.0 is compatible with Windows 3.0, 3.1, 95 and 98.



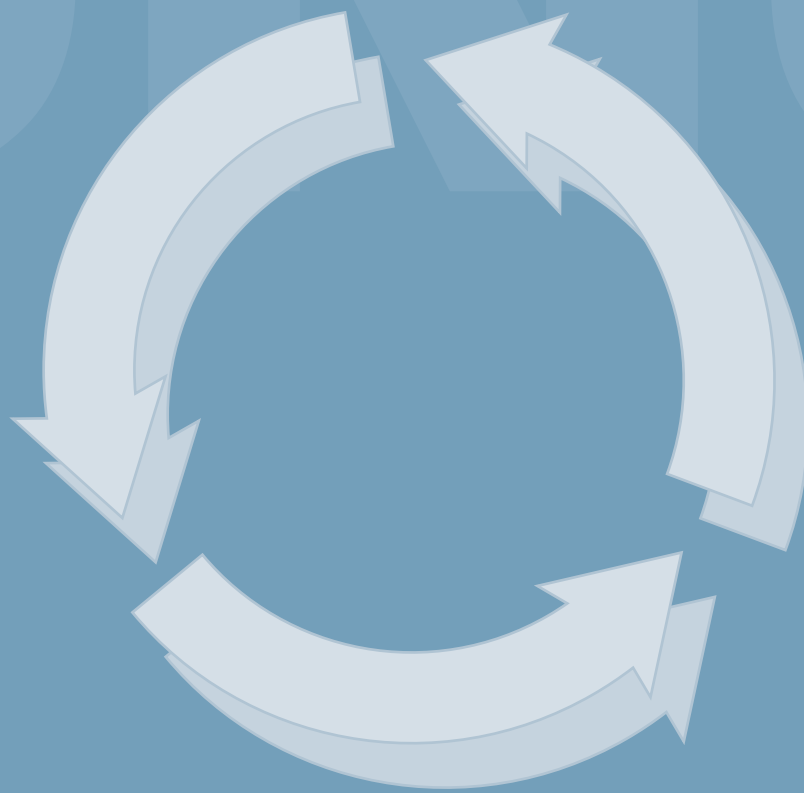
A Leader in PLC technology

IDEC revolutionized the industry years ago when it introduced the Micro-1 PLC. Since then, IDEC has helped pioneer the world of Industrial Automation to innovative new heights through its quality PLCs.

Today IDEC brings that same quality and pioneering spirit to the OpenNet Controller. This newest addition to IDEC's family of PLCs carries that tradition of engineered excellence, while also expanding into powerful new directions. IDEC has been a part of PLC technology from the beginning, and is committed to offering innovative PLC and networking solutions well into the next millennium.



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