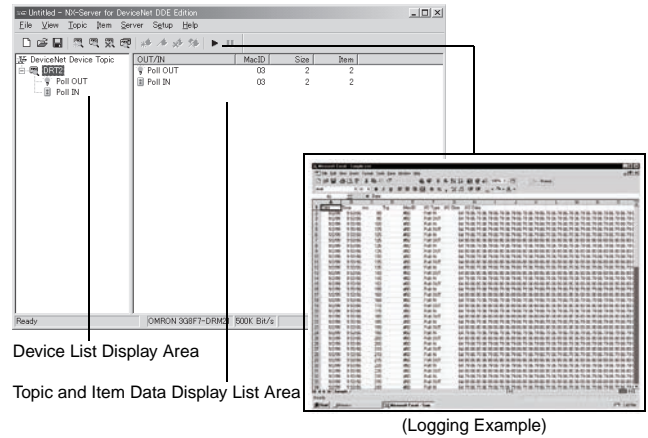


NX-Server

WS02-NX□C1

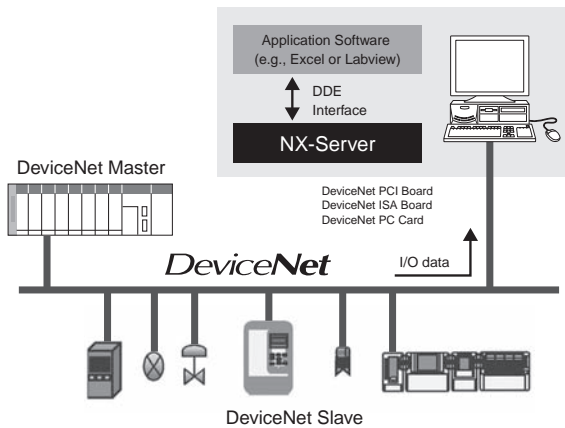
Easily Perform Monitoring and Logging for Various Types of I/O Data on DeviceNet.

- Monitor I/O data flowing on DeviceNet.
- Log data of specified devices using advanced triggering.
- The NX-Server is equipped with a unique frame analysis engine, and so a node is not allocated to it.
- Collect data without increasing network traffic.
- The product lineup includes a development kit for developing a DDE server and applications as well as software for operating existing user applications.



Ordering Information

Name	Applicable OS	Description	Model
NX-Server	Windows 2000 (Service Pack2 or higher)/XP/Vista/7 (32bit)	This software monitors and logs I/O data on DeviceNet lines.	WS02-NXDC1-E



Logging

Logging can be performed by directly obtaining from the line the commands communicated between the specified Slaves and Master.

The logging data can be saved in an CSV-format file and analyzed in Excel.

- Set triggers to start logging or other processes simply by selecting device topics.
- You can set whether to perform logging for each device and also set the trigger conditions.



Monitor

Using the NX-Server, you can display in realtime the data of nodes specified in application software on a DDE interface, such as Excel.

- Display the data of all Slaves participating in a DeviceNet network.
- One optional function provided by the NX-Server lets you open a specific file (in this case, a set Excel file) at the same time that the NX-Server starts.
- Also, the NX-Server can be incorporated into monitoring software, such as Labview, in addition Excel.

NetXServer Functions

- Topic names and item names for data can be flexibly set for individual devices to monitor or log.
- Server name of DDE interface for user-disclosed interface: NETXDNET.
- The size and format (bit, byte, or word) of data can be specified.
- Whether to log data for each device and setting the trigger conditions can be performed for each device.
- Logging data can be checked in standard CSV format.
- The NX-Server is equipped with a unique frame analysis engine, and so a MAC ID is not allocated.
- Data can be collected without increasing network traffic.

Product Introduction

- The NX-Server for DeviceNet DDE Edition is a dynamic data exchange (DDE) server that provides software to collect I/O data and perform host monitoring of the collected I/O data.
- The NX-Server for DeviceNet SDK Edition is a development kit for developing applications that use core modules of NetXServer for DeviceNet.
- The NX-Server for DeviceNet RT Edition is platform software to operate user applications developed using the SDK Edition.
- The 3G8F7-DRM21 PCI Board or 3G8E2-DRM21-V1 PC Card can be used for the hardware.

System Requirements for NX-Server for DeviceNet DDE Edition

CPU	Pentium 166 MHz or better
OS	Windows 2000 (SP2 or higher)/XP/Vista/7 (32bit)
Created Files	NetXServer settings files (*.nxd) Logging data: CSV-format files (*.csv)

Compatible Hardware

OMRON DeviceNet Board or Card
Special PCI Board: 3G8F7-DRM21
Special PC Card: 3G8E2-DRM21-V1 *

* The hardware is included with the Configurator.
The applicable OS depends on the hardware. Check the requirements before operation.

Read and Understand This Catalog

Please read and understand this catalog before purchasing the products. Please consult your OMRON representative if you have any questions or comments.

Warranty and Limitations of Liability

WARRANTY

OMRON's exclusive warranty is that the products are free from defects in materials and workmanship for a period of one year (or other period if specified) from date of sale by OMRON.

OMRON MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, REGARDING NON-INFRINGEMENT, MERCHANTABILITY, OR FITNESS FOR PARTICULAR PURPOSE OF THE PRODUCTS. ANY BUYER OR USER ACKNOWLEDGES THAT THE BUYER OR USER ALONE HAS DETERMINED THAT THE PRODUCTS WILL SUITABLY MEET THE REQUIREMENTS OF THEIR INTENDED USE. OMRON DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED.

LIMITATIONS OF LIABILITY

OMRON SHALL NOT BE RESPONSIBLE FOR SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE PRODUCTS, WHETHER SUCH CLAIM IS BASED ON CONTRACT, WARRANTY, NEGLIGENCE, OR STRICT LIABILITY.

In no event shall the responsibility of OMRON for any act exceed the individual price of the product on which liability is asserted.

IN NO EVENT SHALL OMRON BE RESPONSIBLE FOR WARRANTY, REPAIR, OR OTHER CLAIMS REGARDING THE PRODUCTS UNLESS OMRON'S ANALYSIS CONFIRMS THAT THE PRODUCTS WERE PROPERLY HANDLED, STORED, INSTALLED, AND MAINTAINED AND NOT SUBJECT TO CONTAMINATION, ABUSE, MISUSE, OR INAPPROPRIATE MODIFICATION OR REPAIR.

Application Considerations

SUITABILITY FOR USE

OMRON shall not be responsible for conformity with any standards, codes, or regulations that apply to the combination of products in the customer's application or use of the products.

At the customer's request, OMRON will provide applicable third party certification documents identifying ratings and limitations of use that apply to the products. This information by itself is not sufficient for a complete determination of the suitability of the products in combination with the end product, machine, system, or other application or use.

The following are some examples of applications for which particular attention must be given. This is not intended to be an exhaustive list of all possible uses of the products, nor is it intended to imply that the uses listed may be suitable for the products:

- Outdoor use, uses involving potential chemical contamination or electrical interference, or conditions or uses not described in this catalog.
- Nuclear energy control systems, combustion systems, railroad systems, aviation systems, medical equipment, amusement machines, vehicles, safety equipment, and installations subject to separate industry or government regulations.
- Systems, machines, and equipment that could present a risk to life or property.

Please know and observe all prohibitions of use applicable to the products.

NEVER USE THE PRODUCTS FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE OMRON PRODUCTS ARE PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.

PROGRAMMABLE PRODUCTS

OMRON shall not be responsible for the user's programming of a programmable product, or any consequence thereof.

Disclaimers

CHANGE IN SPECIFICATIONS

Product specifications and accessories may be changed at any time based on improvements and other reasons.

It is our practice to change model numbers when published ratings or features are changed, or when significant construction changes are made. However, some specifications of the products may be changed without any notice. When in doubt, special model numbers may be assigned to fix or establish key specifications for your application on your request. Please consult with your OMRON representative at any time to confirm actual specifications of purchased products.

DIMENSIONS AND WEIGHTS

Dimensions and weights are nominal and are not to be used for manufacturing purposes, even when tolerances are shown.

PERFORMANCE DATA

Performance data given in this catalog is provided as a guide for the user in determining suitability and does not constitute a warranty. It may represent the result of OMRON's test conditions, and the users must correlate it to actual application requirements. Actual performance is subject to the OMRON Warranty and Limitations of Liability.

ERRORS AND OMISSIONS

The information in this document has been carefully checked and is believed to be accurate; however, no responsibility is assumed for clerical, typographical, or proofreading errors, or omissions.