

The OPC interface package **DAQSTATION**

Integrates your office with the field quickly and seamlessly

Broadens the capabilities of the DX series of DAQSTATION paperless recorders and the MV series of MobileCorder data loggers

OPC Server for DX/MV Series

DAQOPC

OPC is a standard specification of process data exchange created for process and factory automation industries. DAQOPC is an interface package that complies with the OPC specification.

OPC client applications

SCADA software

User applications

OPC interfaces*1

Features of DAQOPC

- Compliance with OPC standard interface
(Data access server function)
- Connection with various OPC client applications

DAQOPC

- Customized, automation interfaces to OPC clients
- Browser function, enabling OPC clients to browse content within OPC server

Process data

DX100

DX200

DX100L

DX200C

MV100

MV200

DX/MV Series

*1 An OPC (OLE for Process Control) interface complies with the OPC standard interface whose specifications are defined by the OPC Foundation*2.

*2 The OPC Foundation is an international non-profit organization consisting of more than 150 member companies from around the world.

Function Specifications

DAQOPC provides the following OPC-compliant interfaces.

- Data Access (DA) Server function
A DA server reads/writes process data which have item IDs as their identifiers.

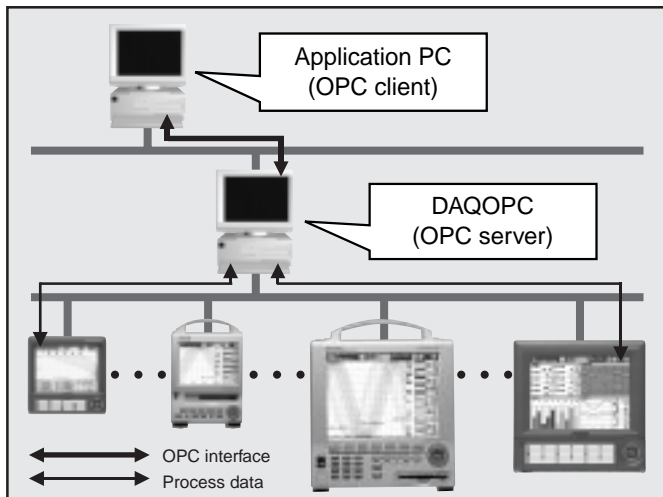
System Configuration

- Server-client configuration
Users (OPC clients) of DAQOPC can be configured in two ways:
 - OPC clients coexist with DAQOPC on the same PC, or
 - OPC clients exist on a higher-order computer (Windows NT machine).
- Multi-client configuration
A single DAQOPC server can be accessed from multiple clients.
- Multi-server configuration
A different DAQOPC server can be accessed from a single client.

Networked Equipment

Equipment	Communication Method
DX100, DX200, DX100L, DX200C	Ethernet RS-232C
MV100, MV200	RS-422A

Network Exmpl



Application Capacity

Maximum number of networked clients: 100
 Maximum number of group objects: 1,000
 Maximum number of registered item IDs: 1,000/group
 Maximum number of item IDs for cache refreshing: 100,000
 Cache refreshing interval: 1,000 to 3,600,000 (1 sec to 1 hr)
 Maximum number of networked DX/MV: 24

Operating Environment

- Hardware
 - PC: IBM PC or compatible model (DOS/V), capable of running Windows NT
 - CPU: Pentium II/300 MHz or superior
 - RAM size: 128 MB minimum
 - Disk capacity: with approx. 130MB minimum free space
 - Communication device: Ethernet network card
- Software
 - OS: Windows NT Workstation 4.0 or Windows NT Server 4.0; the DAQOPC package and Windows NT operating system must be of the same language version.
 - Service Pack: The following service packs are required along with Windows NT:
DAQOPC R1.01: SP4, SP5 and SP6a

Versions of VB and VC++

	When DAQOPC and user application coexist on the same PC	When DAQOPC and user application exist separately on different PCs
DAQOPC(R1.01)	VB6.0, VC++6.0	VB5.0/6.0, VC++5.0/6.0

Restrictions

Users who create application programs (OPC clients) themselves cannot use the OPC automation interface directly; use the libraries (data access libraries) included in a separate package. The libraries are supplied as ActiveX controls.

Supported Range of OPC Specification

DAQOPC provides OPC clients with interfaces prescribed in the following specifications:

- DA server
 - OPC Data Access Custom Interface Specification Version 2.0
 - OPC Data Access Automation Specification Version 2.0

Model

Model	Description
DXA410-02	DAQOPC for DX/MV Series

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NOTICE

- Before operating the product, read the instruction manual thoroughly for proper and safe operation.
- If this product is for use with a system requiring safeguards that directly involve personnel safety, please contact the Yokogawa sales offices.