



OPC is an interface standard in the PA and FA industries for exchanging process data. DAQOPC is a communication package software that complies with the OPC standard.

OPC Interface Package



OPC (OLE for Process Control) is an international standard for the communication interface between applications, developed by the OPC Foundation™. DAQOPC can connect various client applications (SCADA and user-created software) to the DARWIN series.

OPC Server for DARWIN Series

Integrating the field and office seamlessly and speedily—an open architecture for flexibly exchanging process data

Features

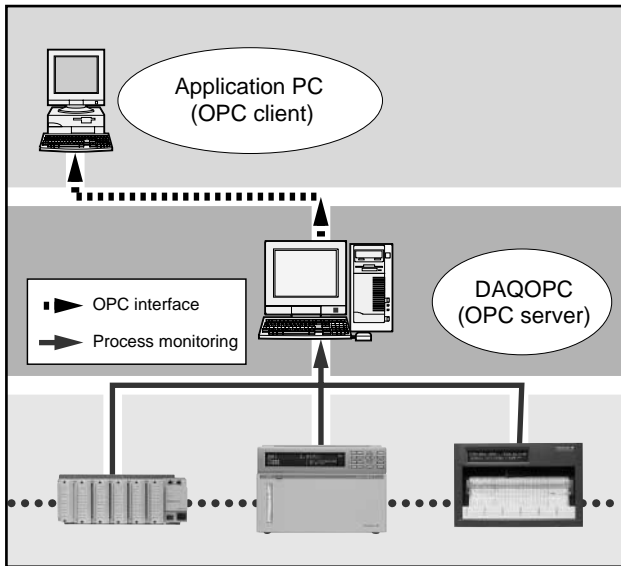
- An OPC server supporting OPC Data Access 2.0.
- Facilitates connections with a wide variety of OPC clients (SCADA and user applications).
- Provides OPC clients with an OPC custom interface and automation interface.
- Web browsing function for viewing the contents of the OPC server from an OPC client.

OPC Client Application



For details of the DARWIN series, visit:
<http://www.yokogawa.com/tm/Bu/DARWIN-e>

www.yokogawa.com/tm/
 ... and subscribe to "Newswave,"
 our free e-mail newsletter



Functional Specifications

The DAQOPC package provides the following interface specifications:

- Data Access (DA) Server

The DA server reads process data and writes them through communication input channels (C01 to C60), using item IDs as identifiers.

System Configuration

- Server/Client Composition

The following two configurations are available for users (OPC client):

- The OPC client resides on a PC with DAQOPC installed.
- The OPC client resides on a supervisory computer (Windows NT or Windows 2000).

- Multiple Clients

Users can access one DAQOPC from multiple OPC clients.

- Multiple Servers

Users can access multiple DAQOPCs from one OPC client.

Connectable Devices

- DARWIN: DA100/DC100/DR130/DR231/DR232/DR241/DR242
- Communication Interface: Ethernet/RS-232C/RS-422

Application Capacity

- Max. number of clients: 100
- Max. number of group objects: 1000 groups
- Max. number of registered item IDs: 10,000/group
- Max. number of cache update item IDs: 100,000
- Cache update period: 1000 to 3,600,000 ms (1 sec to 1 hour)
- Max. number of DARWINs connected: 16

Operating Environment

- Hardware requirements

- Computer: PC running Windows NT/2000
- CPU: 300-MHz Pentium II or superior
- Main memory: 256 MB or greater (Windows 2000)
128 MB or greater (Windows NT)
- Disk space: 130 MB of free space
- Communication: Ethernet card

- Software requirements

- Operating system: Windows NT Workstation 4.0, Windows NT Server 4.0 or Windows 2000 (Same language version is required for DAQOPC software package and operating system.)
- Service pack: The following service packs are required:
DAQOPC R1.02: SP4, SP5, SP6a (Windows NT)
SP1 (Windows 2000)

VB and VC++ Versions

For DAQOPC R1.02:

- When DAQOPC and user applications are on the same PC: VB6.0, VC++6.0
- When DAQOPC and user applications are on different PCs: VB5.0/6.0, VC++5.0/6.0

Supported OPC Specifications

The DAQOPC package provides the OPC client with an interface with 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
DP410-13	DAQOPC for DARWIN series

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Refer to GS 04M01F03-20Es for details of the service support contract.

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