

Software Function Map

Function Map	Data Acquisition Software				High-Value-Added Software						Common Viewer
Product Name	DAQLOGGER	DAQ32Plus	MXLOGGER	DAQEXPLORER	AddObserver	AddObserver Runtime	AddMulti	AddTrigger	DAQLOGGER Client	DAQ32Plus Client	DataBrowser
OS											
Windows 2000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Windows XP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Windows Vista	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Support of Communication Interface											
Ethernet	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
GP-IB	—	✓	—	—	—	—	—	—	—	—	—
RS-232, RS-422/485	✓	✓	—	—	—	—	—	—	—	—	—
Data Logging Function											
Maximum no. of linkable hardware units	32	1	20	16	—	—	—	—	—	—	—
Maximum no. of linkable lower-level software (32/comprised in hardware)	32	1	—	—	16	16	1	1	16	16	—
Maximum no. of data acquisition channels	1600	360(inc. computation)	1200+computation240	—	—	—	32 each	1600	Depends on lower-level software	Depends on lower-level software	Depends on lower-level software
Shortest measurement interval	1s	500ms	10ms (computation 100ms)	—	—	—	Depends on lower-level software	Depends on lower-level software	Depends on lower-level software	Depends on lower-level software	—
Multi-logging and filing	—	—	—	—	—	—	✓ (50groups)	—	—	—	—
State-change-in-data monitoring trigger	—	—	—	—	—	—	—	✓	—	—	—
Multi-interval logging	—	—	—	—	—	—	✓ (same in each group)	—	—	—	—
Periodic data file retrieval	—	—	—	—	—	—	—	—	—	—	—
Automatic Excel/Lotus/ASCII conversion	✓	✓	✓ (when finished recording)	✓	—	—	✓	✓	✓	✓	✓
Reporting (hourly/daily/weekly/monthly)	✓	✓ (Depends on hardware)	—	✓ (Depends on hardware)	—	—	—	—	—	—	—
Event processing function (E-Mail/FTP)	✓	—	—	—	—	—	—	—	—	—	—
Manual DO	—	—	—	✓ (4ch)	—	—	—	—	—	—	—
User AO	—	—	—	✓ (manual+pattern 4ch)	—	—	—	—	—	—	—
Hardware setup	✓	✓	—	✓	—	—	—	—	—	—	—
Maximum no. of linkable upper-level software	16	16	16	16	—	—	—	—	—	—	—
Monitoring Function											
Number of display channels	32x50groups	32x30groups	32x50groups	32x50groups (each unit)	1600 (32ch / one trend)	1600 (32ch / one trend)	32x50groups	32x50groups	Depends on lower-level software	Depends on lower-level software	—
User-created screens	—	—	—	—	✓ (builder&monitor)	✓ (monitor)	—	—	—	—	—
Screen capture (snapshots)	✓	—	—	✓ (screen of hardware)	—	—	—	—	—	—	—
Data Viewer											
Number of display channels/group	32	32	32	32	—	—	32	32	32	32	32
Maximum number of groups	50	30	50	50	—	—	50	50	50	50	50
Data search function	—	—	—	—	—	—	—	—	—	—	✓
Multiple files display	—	—	—	—	—	—	—	—	—	—	✓
Excel/Lotus/ASCII conversion	✓	✓	✓	✓	—	—	✓	✓	✓	✓	✓
Cursor-to-cursor interval computing	✓	✓	✓	✓	—	—	✓	✓	✓	✓	✓
Data file splitting/concatenation	✓	✓	✓ (merge)	✓ (link to view)	—	—	✓	✓	✓	✓	—

License Model

Model/Suffix Code	Description	Note
WX101	DAQLOGGER license	Integrated data acquisition software, connect up to 32units 1600ch, highest measurement interval of 1sec <Supported models> DAQSTATION DX/CX, MVAdvanced/MobileCorder MV, DARWIN DA/DC/DR, Chart recorder µR1000/1800, View recorder VR, Gate software
WX81	DAQLOGGER Client license	DAQLOGGER/MXLOGGER Client Monitor
WX1	GateDX-P GateµR GateMX/MW GateCONTROL GateWT GateOPC GateMODBUS GateEye*	License to run 1 program* DAQSTATION DX100P/DX200P (Style S4 or later) interface (connect up to 16 units) Industrial chart recorder µR10000/µR20000 interface (connect up to 16 units) DAQMASTER MX100/MW100 (for the MW100, firmware R2.1 1 or later only) interface (connect up to 32 units) Control product* interface (connect up to 32 units) <Supported models> Temperature Controller UT100 series, Indicating Controller UT320/321/350/351/420/450/520/550/551/750, US1000, Program Controller UP350/351/550/750, Indicator with Alarms UM330/331/350/351, Signal Conditioner VJ U7/S7/A7/H7/P8/Q7/Q8/X7, Digital Limit Alarms MV HK/RK/TK Power meter WT100/200/1000/2000/1600 interface (connect up to 16 units) OPC DA Server interface (connect up to 16 servers) * Browse function required Modbus RTU/TCP interface (up to 300 tags) Web camera (still JPEG) interface (connect up to 4 units)
WX11	AddObserver license	Add-on software for monitoring using user-created screens (with builder)
WX83	AddObserver Runtime license	Add-on software for monitoring using user-created screens (run-time)
WX12	AddMulti license	Data acquisition add-on software for recording by groups (32ch*50groups)
WX13	AddTrigger license	Data acquisition add-on software with various condition triggers
Options /NCD	License sheet only	Product CD-ROM, Manual CD-ROM, and Installation & Operation Guide not included

* With each WX1 license you can launch one Gate software application. A separate WX1 license must be purchased for each Gate program you wish to run simultaneously (up to five). Note that multiple instances of the same type of Gate program cannot be run on the same PC.
* GateEye is used by connecting to AddObserver.
* The various control products may not be connectable depending on the date of manufacture. See the specification sheet for details.

Install License and Model Codes for Product Specific Packages

Model/Suffix Code	Description	Note
WX102	DAQ32Plus license	Data acquisition software for DARWIN (single connection)
WX82	DAQ32Plus Client license	DAQ32Plus Client Monitor
WX103	MXLOGGER license	Data acquisition software for DAQMASTER MX100 (connect up to 20 units)
WX81	DAQLOGGER Client* license	DAQLOGGER/MXLOGGER Client Monitor
WX104	DAQEXPLORER license	Software for DAQSTATION DX/CX, MVAdvanced/MobileCorder MV (connect up to 16 units)
WX11	AddObserver license	Add-on software for monitoring using user-created screens (with builder)
WX83	AddObserver Runtime license	Add-on software for monitoring using user-created screens (run-time)
WX12	AddMulti* license	Data acquisition add-on software for recording by groups (32ch*50groups)
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Options /NCD	License sheet only	Product CD-ROM, Manual CD-ROM, and Installation & Operation Guide not included

* Restrictions on the number of hardware connections and the acquisition interval apply when using MXLOGGER in combination with AddMulti, AddTrigger, and DAQLOGGER Client. For more information, please visit our Web site (<http://www.yokogawa.com/nsl/>) or contact your nearest Yokogawa representative.

Install License and Model Code for Common Viewer

Model/Suffix Code	Description	Note
WX201	DataBrowser license	Advanced file searching and waveform viewing software
Options /NCD	License sheet only	Product CD-ROM, Manual CD-ROM, and Installation & Operation Guide not included

License and Model Codes for Upgrades

Model/Suffix Code	Description	Applicable models (as of March 17, 2008)
WX101UP	DAQLOGGER upgrade	DAQLOGGER R3/R4/R5/R6→R7
WX102UP	DAQ32Plus upgrade	DAQ32Plus R9/R10→R11
WX103UP	MXLOGGER upgrade	MXLOGGER R1→R2
WX104UP	DAQEXPLORER upgrade	DAQEXPLORER R1/R2/R3→R4
WX11UP	AddObserver upgrade	DAQOBSERVER/AddObserver R1/R2/R3→R4
WX12UP	AddMulti upgrade	AddMulti R1→R2
Options /NCD	License sheet only	Product CD-ROM, Manual CD-ROM, and Installation & Operation Guide not included

* The following upgrades must be purchased as full products (no discount upgrade options available):
DAQLOGGER Client, DAQ32Plus Client, DAQOBSERVER/AddObserver Runtime.
* For release upgrades from older versions other than the above, please contact your Yokogawa representative.

Shipping Format

When ordering DAQWORX model WX___, the package includes the ordered quantity's worth of product CD-ROMs, manual CD-ROMs, and Installation & Operation Guides plus the license sheet. The CD-ROMs and Installation & Operation Guides are the same, therefore if multiple copies are not needed, please specify the /NCD option (WX___/NCD) for all but the first item.

Free Revision Upgrade

Customers with the latest version of the license (see table below) can upgrade to the latest release (obtain a "revision upgrade") of the software through one of the following methods.

- Through the latest edition of the DAQWORX CD-ROM obtained when purchasing other additional software. Otherwise, you can also purchase the CD-ROM medium only (part number B9991WB).
- Download the upgrade from our members-only Web site "y-Link" (<https://y-link.yokogawa.com/>).

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PC System Requirements

The PC-based system must be designed so that sufficient performance is ensured according to the combination of software components and/or the number of data acquisition channels. The following system requirements are recommended for a standard system configuration (centered on one Base program incorporated with the necessary Gate and Add-on programs).

Operating System

Microsoft Windows 2000 Professional SP4, Windows XP Home Edition SP2, or Professional SP2, Windows Vista Home Premium 32bit, or Business 32bit (Windows XP Professional SP2 is recommended)

Processor

2000/XP: Intel Pentium III 800MHz or faster x64 or x86 (Pentium 4 1.6GHz or faster recommended)
Vista: Intel Pentium 4 2.4GHz or faster x64 or x86 (Pentium 4 3.0GHz or faster recommended)
* Operation with the multi-processor not guaranteed.

Main Memory

2000/XP: 256MB or more of RAM (512MB or more recommended)
Vista: 1GB or more of RAM (2GB or more recommended)
* The required memory size may increase, however, depending on what additional software components the system will run.)

Hard Disk

A minimum free disk space of 200MB is required (1GB or more is recommended, since measured data is stored), speed of 7,200rpm or faster is recommended

Drive

At least one CD-ROM drive for system setup

Monitor, display adapter

Resolution of 1,024×768 XGA or higher (1,280×1024 SXGA or higher recommended), 65,536 colors (16bit) High color or more
2000/XP: 32MB or more of VRAM (64MB or more of non-UMA VRAM recommended)
Vista: 128MB or more of VRAM (256MB or more of non-UMA VRAM recommended)
* UMA (unified memory architecture) is technology that assigns a portion of the main memory to video memory (VRAM). With DAQWORX, we recommend a PC with dedicated VRAM.

Sound

A sound board and a speaker are required for sounding the alarm on the PC when alarms occur.

Printer

A4 Printer (A4 Color Printer recommended)

Communication interface

- The GP-IB interface board from National Instruments is essential for GP-IB communication.
- Use the serial ports (COM1 to COM4) to perform RS-232 communication.
- Connect a RS-232—RS-422/485 converter to the serial port (COM1 to COM4) when performing RS-422/485 communication.
- An Ethernet card supported by Windows is required to perform Ethernet communication. Also ensure that TCP/IP protocols are installed. Both the Ethernet card and TCP/IP protocols are required to be able to use the remote monitor functions, "Add-on" software components, and/or Gate* software components.

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Notice



Please read all relevant users manuals for correct and safe operation of instruments.