

General Specifications

NT273AJ, NT274AJ
VDS Release Up Kit R9



GS 34P02V08-01E

■ GENERAL

VDS Release Up Kit R9 serves to revise the release of Versatile Data Server software “ASTMAC VDS” (hereinafter called “VDS”) up to Release 9 (hereinafter called R9).

To use the latest function of VDS or PC, your existing system may need to be revised up to R9 with this Kit.

■ CONFIGURATION

This Release Up Kit includes following

- Software Medium (DVD-ROM)
- Order ID Sheet
- User's Manual

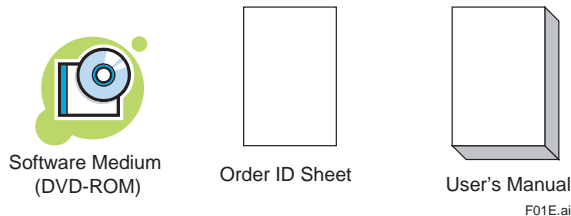


Figure Configuration of Release Up Kit

■ MODEL & RELEASE

Model and Release described in following table are to be revised.

Table Model/Release

System	Model	Release of existing system
VDS (*1)	NT610□J	R7/R8 (*2)

- *1: As for the detailed specification of VDS, refer to GS 34P02A02-01E “ASTMAC VDS”.
- *2: If your existing system is R6 or earlier, consult YOKOGAWA separately.

■ SYSTEM REQUIREMENTS (OVERVIEW)

Table VDS Data Server/HMI Server/HMI client

Items		VDS Data Server/HMI Server	HMI client
CPU	Development	1.8 GHz or higher 64 bit (x64) processor (Dual-core processor or higher recommended (*5))	
	Runtime	1.6 GHz or higher 64 bit (x64) processor (Dual-core processor or higher recommended)	
OS	Development Runtime	Windows 10 Enterprise 2019 LTSC (64 bit) (*1) (*2)	
		Windows 10 IoT Enterprise 2019 LTSC (64 bit) (*1) (*2)	
		Windows 10 Enterprise 2016 LTSC (64 bit) (*1) (*2)	
	Development	Windows 10 IoT Enterprise 2016 LTSC (64 bit) (*1) (*2)	
RAM	Development	4 GB or more (8 GB or more recommended)	
	Runtime	4 GB or more	
Runtime Environ-ment		-	AdoptOpenJDK Open JDK 8u222 (*3)
DVD-ROM drive		A DVD-ROM drive that is supported by the operating system specified at the top of this table is required at installation.	

Note: As for the detail of system requirements, refer to GS 34P02A02-01E “ASTMAC VDS”.

*1: Smart Screen Filter of Internet option and User Account Control (UAC) must be disabled.-

*2: Virtual desktop of Windows 10 is not available for operation and monitoring.

*3: It is bundled with the Software Medium.

*4: Windows 10 Pro can be used only in the development environment. Do not use it in the runtime environment.

Some functions of the STARDOM software may possibly be restricted when Windows Update is applied to Windows 10 Pro. Refer to the following Yokogawa Web site (registration is required) for the support status of STARDOM software for Windows 10 Pro.

“System Requirements” Page in “YOKOGAWA Partner Portal STRADOM” site

<https://partner.yokogawa.com/global/member/rtu/os/index.htm>

*5: When using Visual Studio 2019, quad core or higher is recommended.

■ ATTENTIONS FOR RELEASE UP

- When you revise the software packages on existing PC, or renew the existing PC itself, please confirm the system requirements of your PC.
- Some operations of VDS (R9) on Windows 10 may be limited; some existing applications can not be applied. In such cases, please confirm the specifications of existing system and discuss the release of system requirements or the transplant of applications.
- Windows 7, Windows Vista or Windows XP is not available.
- .NET Framework 3.5.1 must be enabled when using .NET applications created in R7 or earlier development environment. To enable .NET Framework 3.5.1 offline in Windows 10 environment, the same version of Windows 10 installation media is required. Please contact the PC manufacturer about enabling the .NET Framework 3.5.1.

■ MODIFICATIONS OF SYSTEM REQUIREMENTS

The optional software packages described in following table requires the modification of system requirements

Table Optional software packages requiring the modification of system requirements

Package	Model	Overview
Report Package	NT301AJ NT301RJ	On Microsoft Excel, following versions are required. Excel 2019 32-bit versions or Excel 2016 32-bit versions
OPC Data Link Package for .NET	NT336AJ	The program created on former development environment (Visual Basic 6.0) (*1) can run as before. In case the modification or maintenance of existing application is required, transplant of following development environment or application is required.(*2) Following software is required as development environment - Visual Studio 2019 + .NET Framework 4.6.2 (*3) - Visual Studio 2017 + .NET Framework 4.6.2 (*3)

*1: Microsoft has terminated the support of Visual Basic 6.0.

*2: As for the detail, refer to the information provided by Microsoft or TI 34P02V08-01E "VDS R9 Release Up Guidance".

*3: Visual Studio 2019 and Visual Studio 2017 are not supported on Windows 10 (IoT) Enterprise 2019 LTSC and Windows 10 (IoT) Enterprise 2016 LTSC. As for the detail, refer to information provided by Microsoft.

■ FUNCTIONS NOT SUPPORTED BY VDS R9

VDS R9 does not support following functions.

When revising up, modification of application is required.

Table Function requiring the modification of application

Function	Overview	Requirements for Modification
Database connection of VDS Message Management	Logging message into data base (Oracle) on VDS	Creating an application to send message log stored on VDS message log file is required in upper system.
VB Property Link	Automatic data transmission function between VDS Data server and Visual Basic 6.0 (VB Control) (*1)	The program created on former development environment (Visual Basic 6.0) (*1) can run as it is. In case the modification or maintenance of existing application is required, following development environment, transplant of application or optional package "OPC Data Link Package NET NT336AJ" is required. (*2) Following software is required as development environment - Visual Studio 2019 + .NET Framework 4.6.2 - Visual Studio 2017 + .NET Framework 4.6.2

*1: Microsoft has terminated the support of Visual Basic 6.0. As for the detail, refer to the information provided by Microsoft.

*2: As for the detail, refer to TI 34P02V08-01E "VDS R9 Release Up Guidance" or GS 34P02H51-01E "OPC Data link package for .NET".

■ OPTIONAL PACKAGES NOT SUPPORTED BY VDS R9

The optional software packages described in following table do not run on VDS R9. You have transfer according to the following table.

Table Optional software packages not supported by VDS R9 (*1)

Name	Model	Method of Release or Transfer
Operation Shield Package	NT321AJ	To specify the rear window and the full-screen window, please use VDS Viewer in VDS software medium (DVD-ROM). Other functions can not be transferred to VDS R9. .
Power Monitor Driver	NT366AJ	The connection with Yokogawa power monitor (model: UPM10□, PR300) is enabled by VDS basic software. When connected with our power monitor (model: UPM01/02/03, UZ005, PR201) transfer to VDS R9 is impossible.-

*1: As for the detail, refer to TI 34P02V08-01 "VDS R9 Release Up Guidance".

■ MODELS AND SUFFIX CODES

● VDS Release Up Kit

		Description
Model	NT273AJ	Release Up Kit for VDS (R8 to R9)
Suffix Codes	-L	License
	S	Order ID sheet
	01	for Full time version
	02	for Run time version
	E	English version

		Description
Model	NT274AJ	Release Up Kit for VDS (R7 to R9)
Suffix Codes	-L	License
	S	Order ID sheet with serial number
	01	for Full-time version
	02	for Run-time version
	E	English version

■ ORDERING INFORMATION

Specify model and suffix code.

■ TRADEMARK ACKNOWLEDGMENTS

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