

# General Specifications

## YG4SY04 Global PC Rack Server

GS 30A01D61-01EN

### OVERVIEW

This General Specifications (GS) describes about the Global PC, YG4SY04 Rack Server.

YG4SY04 is equipped with suitable hardware configuration for the following Yokogawa's software:

CENTUM VP

ProSafe-RS

PRM

Exaopc, Exapilot, Exaquantum

FAST/TOOLS



F01E.ai

### HARDWARE SPECIFICATIONS

CPU		Intel Xeon Silver 4110 8 Core, 2.10 GHz, 11 MB L3 Cache Intel Turbo Boost Technology, Intel Hyper-Threading Technology
Memory		8 GB, 16 GB (2400 MHz, DDR4, ECC, RDIMM) (*1)
Display	Graphics	Matrox G200 (Onboard) VRAM: 16 MB Connector: VGA
	Maximum resolution	1600 × 1200
	Display colors	16.77 million colors or more
Optical drive		DVD + / - RW drive
HDD		600 GB × 2, 1.2 TB × 2 (10 K rpm, 2.5 inch, SAS)
RAID	Controller	PERC H330
	Level	RAID 1 (mirroring)
Speaker		None
Network connector (RJ-45)		4
USB	USB 2.0	2 (Front)
	USB 3.0	2 (Rear)
Serial port		1 (Onboard)
SD Slot		None
Audio		None
Expansion slots		PCIe3.0 × 16 (wired as × 8) Full-Height Full-Length × 2 PCIe3.0 × 16 (wired as × 8) Full-Height Half-Length × 1 PCIe3.0 × 16 (wired as × 8) Low-Profile Half-Length × 1
Power Supply		750 W × 2
Dimensions (H × W × D)		86.8 × 482 × 751.3 mm (with Bezel)
Weight (maximum)		26.3 kg

\*1: Can be changed to 16 GB.

A memory module with higher speed may be installed; however, the actual operation frequency is 2400 MHz.

### SOFTWARE SPECIFICATIONS

Operating system	Windows Server 2016 Standard for Embedded System (includes 5 Client Access licenses) Windows Server IoT 2019 Standard (includes 5 Client Access licenses)
------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------

## ■ OPERATING ENVIRONMENT

Temperature	Normal operation	10 to 35 °C
	Transportation/storage	-40 to 65 °C
Relative humidity	Normal operation	10 to 80 % (non-condensing)
	Transportation/storage	5 to 95 % (non-condensing)
Maximum altitude	Normal operation	3,048 m
	Transportation/storage	12,000 m
Power source	Voltage range	100 to 240 V
	Frequency	50 to 60 Hz
	Momentary failure	10 msec or less
Vibration	Normal operation	0.26 Grms at 5 Hz to 350 Hz (all three axes)
	Transportation/storage	1.88 Grms at 10 Hz to 500 Hz for 15 minutes (all six sides tested)
Shock	Normal operation	Six consecutively executed shock pulses in the positive and negative x, y, and z axes of 6 G for up to 11 ms.
	Transportation/storage	Six consecutively executed shock pulses in the positive and negative x, y, and z axes (one pulse on each side of the system) of 71 G for up to 2 ms.

## ■ APPLICABLE STANDARDS

The Global PC is provided with the following standards.

### SAFETY

[UL]

UL 60950-1

[CSA]

CSA C22.2 No.60950-1-07

[CE Marking] Low Voltage Directive

EN 60950-1

[EAC Marking]

TP TC 004

### EMC

[CE Marking] EMC Directive

EN 55022

EN 55024

EN 61000-3-2

EN 61000-3-3

[KC Marking]

Korea Electromagnetic Conformity Standard

[EAC Marking]

TP TC 020

[RCM]

EN 55032 Class A

### RoHS

[CE Marking] RoHS Directive

EN 50581

YG4SY04 is based on Dell PowerEdge R740 model.

For additional information regarding standards of Dell PowerEdge R740, Please refer to the Dell website.

## ■ MODEL AND SUFFIX CODES

		Description
<b>Model</b>	YG4SY04	Rack Server
<b>Suffix Codes</b>	-XX	Hardware Type: Not applicable
	S1600	OS: Windows Server 2016 Standard for Embedded System
	S1900	OS: Windows Server IoT 2019 Standard
	E	OS language: English
	-1	Revision: For Windows Server 2019

## ■ STANDARD ACCESSORIES

Accessories	Q'ty
Local power cord	1
Front bezel	1
Product information guide	1
Recovery disc	1

## ■ ORDERING INFORMATION

This product must be ordered via Global PC with kitting Services.

Please refer to GS 30A01D05-01EN for details of Global PC with kitting Services.

## ■ SOFTWARE LICENSE AGREEMENT

This product contains Microsoft Windows Server 2016, the use of which shall be subject to "Microsoft Software License Terms" available at Yokogawa's website

URL: <https://www.yokogawa.com/library/documents-downloads/software/microsoft-license-terms/>

If needed in delivering this product, Yokogawa or its distributors will accept the license terms on behalf of the user of this product.

## ■ TRADEMARK ACKNOWLEDGMENT

The names of corporations, organizations, products and logos herein are either registered trademarks or trademarks of Yokogawa Electric Corporation and their respective holders.