

General Specifications

YG2SY02 Global PC Rack Workstation

GS 30A01D42-01EN

OVERVIEW

This General Specifications (GS) describes about the Global PC, YG2SY02 Rack Workstation.

The Global PC is equipped with suitable hardware configuration for the following Yokogawa system applications.

CENTUM VP

ProSafe-RS

PRM

Exaopc, Exapilot, Exaquantum

STARDOM

FAST/TOOLS

YG2SY02 comes with Windows 10 (Embedded version) pre-installed.



F01E.ai

HARDWARE SPECIFICATIONS

CPU		Intel Xeon silver 4208 2.10 GHz, 8Core, 11M Cache Intel Turbo Boost Technology, Intel Hyper-Threading Technology
Memory		16 GB (2666 MHz, DDR4, ECC, RDIMM) (*1)
Display	Graphics card	NVIDIA Quadro T1000 Connector : Mini DisplayPort × 4
	Maximum resolution	DisplayPort : 5120 × 2880 (*2)
	Display colors	16.77 million colors or more
Optical drive		DVD +/- RW drive
HDD		1 TB × 2 (7200 RPM, 3.5 inch, SATA, Hot-plug Hard Drive) (*3)
RAID	Controller	PERC H330
	Level	RAID 1 (mirroring)
Speaker		None
Network Connector (RJ-45)		4
USB	USB 3.0	1 (Front), 2 (Rear)
	USB 2.0	2 (Front)
Serial port		1 (Onboard)
SD Slot		None
Audio		None
Expansion slots		PCIe3.0 × 16 (wired as × 16, Full Height, Full-Length) ×1 PCIe3.0 × 16 (wired as × 8, Full Height, Full-Length) ×1 PCIe3.0 × 16 (wired as × 8, Full Height, Half-Length) ×1 PCIe3.0 × 16 (wired as × 8, Low Profile, Half-Length) ×1
Power Supply		1100 W
Dimensions (H × W × D)		86.8 × 482.0 × 751.3 mm (with bezel)
Weight (minimum)		28.6 kg

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

*2: YG2SY02 is evaluated with a resolution of 1920 x 1200.

*3: The HDD may be changed to 2.5 inch.

■ SOFTWARE SPECIFICATIONS

Operating System	Windows 10 IoT Enterprise 2019 LTSC 64-bit
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■ 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, 5 to 350 Hz
	Transportation/storage	1.88 Grms, 10 to 500 Hz
Shock	Normal operation	6 G with pulse duration of 11 msec
	Transportation/storage	71 G with pulse duration of 2 msec

■ APPLICABLE STANDARDS

The Global PC is provided with the following industrial standards.

SAFETY

[UL]

UL 60950-1

[CSA]

CSA C22.2 No.60950-1-07

[CE Marking]

EN 60950-1

[EAC Marking]

TP TC 004

EMC

[CE Marking]

EN 55032

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]

EN 50581

YG2SY02 is based on DELL Precision 7920 Rack model.

For additional information regarding standards of DELL Precision 7920 Rack, Please refer to the Dell website.

■ MODEL AND SUFFIX CODES

		Description
Model	YG2SY02	Rack Workstation
Suffix Codes	-XX	Hardware Type: Not applicable
	W1019	OS: Windows 10 IoT Enterprise 2019 LTSC
	E	OS language: English
	-3	Revision: For Windows 10 IoT Enterprise 2019 LTSC

■ STANDARD ACCESSORIES

Accessories	Q'ty
USB local Keyboard	1
USB optical Mouse	1
Power cord	Not included
Safety and Regulatory Information	1
Front bezel	1
Recovery Media	1
Mini DisplayPort to DisplayPort Adapter	4

■ 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 10, 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.

■ REMARKS

Global PC is a product based on hardware and software (including OS) of other vendors' products. Therefore, depending on specification changes and the vendor's support condition, Yokogawa may not be able to offer a warranty and maintenance support.

■ TRADEMARK ACKNOWLEDGMENT

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