

General Specifications

YG1SY01 Global PC Tower Workstation

GS 30A01D15-01EN

OVERVIEW

This General Specifications (GS) describes about the Global PC, YG1SY01 Tower 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

YG1SY01 comes with Windows 10 (Embedded version) pre-installed.



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HARDWARE SPECIFICATIONS

CPU		Intel Xeon W-2223 Processor 4 Core, 3.60 GHz, 8.25 MB 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 x 4
	Maximum Resolution	DisplayPort : 5120 x 2880 (*2)
	Display colors	16.77 million colors or more
Optical drive		DVD +/- RW drive
HDD		1 TB x 2 (7200 RPM, 3.5 inch, SATA)
RAID	Controller	MegaRAID 9440-8i Controller
	Level	RAID 1
Speaker		1 (Internal)
Network Connector (RJ-45)		1 (Onboard)
USB	USB 3.1 Type-A	2 (Front), 6 (Rear)
	USB 3.1 Type-C	2 (Front)
Serial port		1 (Onboard)
SD Slot		UHS II Class 3 with read only support (*3)
Audio		Universal Audio Jack: 1 (Front) Line-in/microphone: 1 (Rear) Line-out: 1 (Rear)
Expansion slots		PCIe3.0 x16 x 2 PCIe3.0 x16 (wired as x 8) x 1 PCIe2.0 x16 (wired as x 4) x 1 PCIe2.0 x16 (wired as x 1) x 1 PCI x 1
Power Supply		425 W
Dimensions (H x W x D)		417.9 x 176.5 x 518.3 mm (*4)
Weight (minimum)		15.4 kg

*1: A memory module with higher speed may be installed; however, the actual operation frequency is 2666 MHz.

*2: YG1SY01 is evaluated with a resolution of 1920 x 1200.

*3: This slot has not been evaluated.

*4: This PC cannot be used for LPCKIT and YPCKIT.

■ SOFTWARE SPECIFICATIONS

Operating System	Windows 10 IoT Enterprise 2019 LTSC 64-bit
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■ OPERATING ENVIRONMENT

Temperature	Normal operation	5 to 35 °C
	Transportation/storage	-40 to 65 °C
Relative humidity	Normal operation	8 to 80 % (non-condensing)
	Transportation/storage	5 to 95 % (non-condensing)
Altitude	Normal operation	-15.2 to 3,048 m
	Transportation/storage	-15.2 to 10,668 m
Power source	Voltage range	100 to 240 V
	Frequency	50 to 60 Hz \pm 3 Hz
	Momentary failure	16 msec or less
Vibration	Normal operation	0.52 Grms, 5 to 350 Hz
	Transportation/storage	2.0 Grms, 5 to 500 Hz
Shock	Normal operation	40 G half-sine 2.5ms pulse
	Transportation/storage	105 G half-sine 2.5ms pulse

■ APPLICABLE STANDARDS

The Global PC is provided with the following industrial standards.

SAFETY

[UL]

UL 62368-1

[CSA]

CSA C22.2 No.62368-1

[CE Marking] Low Voltage Directive

EN 62368-1, 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 55022 Class B

RoHS

[CE Marking]

EN 50581

YG1SY01 is based on Dell Precision 5820 Tower model.

For additional information regarding standards of Dell Precision 5820 Tower, Please refer to the Dell website.

■ MODEL AND SUFFIX CODES

		Description
Model	YG1SY01	Tower Workstation
Suffix Codes	-XX	Hardware Type: Not applicable
	W1019	OS: Windows 10 IoT Enterprise 2019 LTSC
	E	OS language: English
	-5	Revision: For Windows 10 IoT Enterprise 2019 LTSC

■ STANDARD ACCESSORIES

Accessories	Q'ty
USB local Keyboard	1
USB optical Mouse	1
Local power cord	Not included
Safety and Regulatory Information	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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