

# VPC-7000 Series

Server grade HPC with  
3rd Gen Intel® Xeon  
scalable processor



Ice Lake-SP

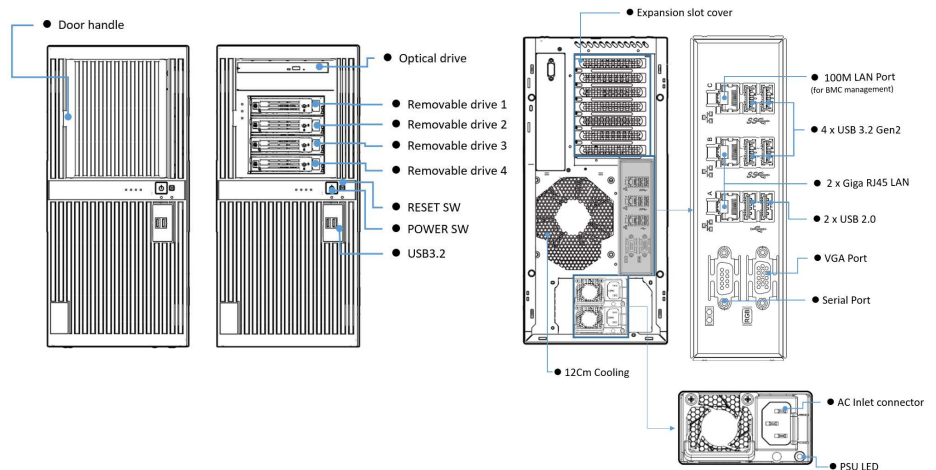
**XEON SCALABLE  
3RD GEN. PROCESSOR**

## Features

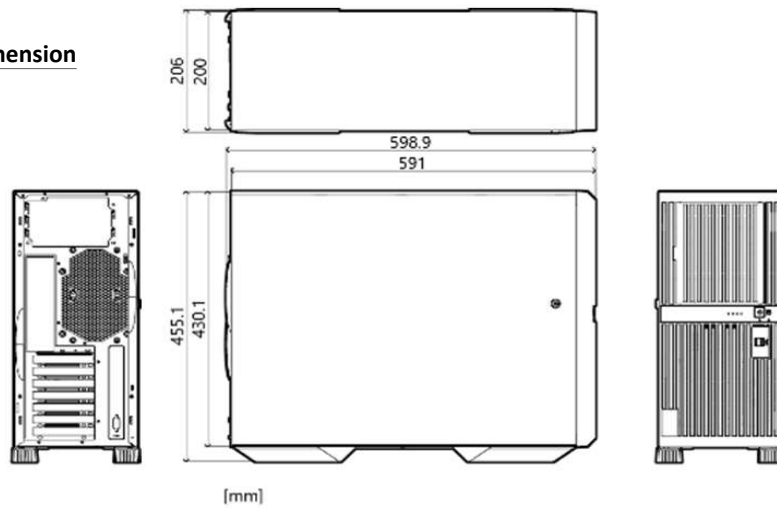
- 3rd Gen Intel® Xeon® Scalable Processors for highest server performance and GPU solution
- 4 x SATAIII Storage removable bay supports hot swap
- Supports 3 x PCIe Gen4 x16 slots + 2 x PCIe Gen4 x8 slots + 1 x PCIe Gen3 x4 slot
- Onboard dual Giga Lan ports & 4x USB 3.2 +2 x USB 2.0
- Onboard Baseboard Management Controller for system management and IPMI control
- Embedded components for long life

## Optional Configuration

- Xeon Processor : ○ Platinum 8352Y ○ Gold 6354 ○ Gold 6330
- Memory: ○ 32GB ○ 64GB ○ 128GB ○ 256GB
- Storage: ○ None ○ 4TB HDD ○ 256GB SSD ○ 512GB SSD
- OS: ○ None ○ Windows 10 IoT Enterprise 2019 LTSC 64-bit ○ Windows Server IoT 2019 Standard

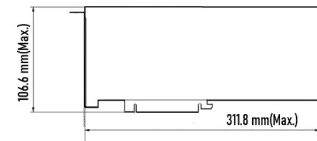


## Dimension



[mm]

## Mountable board size



## System Specifications

System	Main Processor	Intel® Xeon® Platinum 8352Y CPU 2.20 GHz
		Intel® Xeon® Gold 6354 CPU 3.0 GHz
		Intel® Xeon® Gold 6330 CPU 2.0 GHz
	CHIPSET	Intel®C621A with Ice Lake-SP
	BIOS	AMI UEFI BIOS
	Memory	8 x memory channels
		Supported memory: Registered DDR4 (RDIMM),up to 256GB Configuration : -32GB ( 16x2 ) -64GB ( 16x4 ) -128GB (16 x8 ) -256GB(32x8)
	Storage	Removable drive bay x 4 ( Hot-swappable),Supports 2.5" or 3.5" storage device Select M.2 NVMe 256GB or 2TB x1 using onboard M.2
	SATA Interface	8x SATA 6Gb/s ports (by 2 x Mini-SAS HD)
		2x SATA 6Gb/s ports (by 2 x SATA 7-pin)
	Ethernet	2 x GbE by intel I210AT
	Graphic	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor
		PCIe VGA/2D Controller 1920x1200@60Hz 32bpp
Interface	1 x External VGA port (Rear panel)	
	1 x External Serial port (Rear panel)	
	1 x 10/100 M RJ45 to BMC management (Rear panel)	
	2x External USB 3.2 Gen 2 Type A connector (Front panel)	
Expansion Interface	3 x PCI Express 4.0 (x16) slots	
	2 x PCI Express 4.0 (x8) slots	
	1 x PCI Express 3.0 (x4) slot	
Mechanical	Mechanical	Dimension (mm) : 206(W)x596.2(D)x455.1(H) (No protrusions) Weight : 19.8Kg
OS supported	OS supported	Windows 10 IoT Enterprise 2019 LTSC 64bit Windows Server IoT 2019 standard
Power	Power	CRPS(Common Redundant Power Supply)1600W 90-264 Vac
Environmental	Operation Temperature	5 to 40°C
	Storage Temperature	-20 to 60°C
	Humidity	20 - 80%RH (Non-condensing)
	Altitude	5000M (16,404 ft)
	Line-noise resistance	Power Line : ±2kV (IEC61000-4-4 Level 3 ∙ EN61000-4-4 Level 3)
		Signal Line : ±1kV (IEC61000-4-4 Level 3 ∙ EN61000-4-4 Level 3)
		Contact Discharge : ±4kV (IEC61000-4-2 Level 2 ∙ EN61000-4-2 Level 2) Aerial Discharge : ±8kV (IEC61000-4-2 Level 3 ∙ EN61000-4-2 Level 3)
	Vibration	∙ HDD(Operating): 10 ~ 50Hz/ 0.5G, 25min each X ∙ Y ∙ Z direction (JIS C 60068-2-6 ∙ IEC 60068-2-6)
∙ HDD(Non-operating/ SSD): 10 ~ 57Hz/ 0.075mm(semi-amplitude) ∙ 57 ~ 150Hz/ 1.0G each 40min X ∙ Y ∙ Z direction (JIS C 60068-2-6 ∙ IEC 60068-2-6)		
Shock	10G, half-sine shock for 11 ms in X, Y, and X directions (JIS C 60068-2-27 ∙ IEC 60068-2-27)	
Certifications	VCCI Class A, FCC Class A, CE Marking (EMC Directive Class A)	

## Ordering Guide

● VPC-7000-GU3xxxxxxx	Base model with Xeon® Platinum 8352Y + Storage kit + CRPS(1600W)
● VPC-7000-GU2xxxxxxx	Base model with Xeon® Gold 6354 + Storage kit + CRPS(1600W)
● VPC-7000-GU1xxxxxxx	Base model with Xeon® Gold 6330 + Storage kit + CRPS(1600W)