

VPC-7000 Series

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



Ice Lake-SP

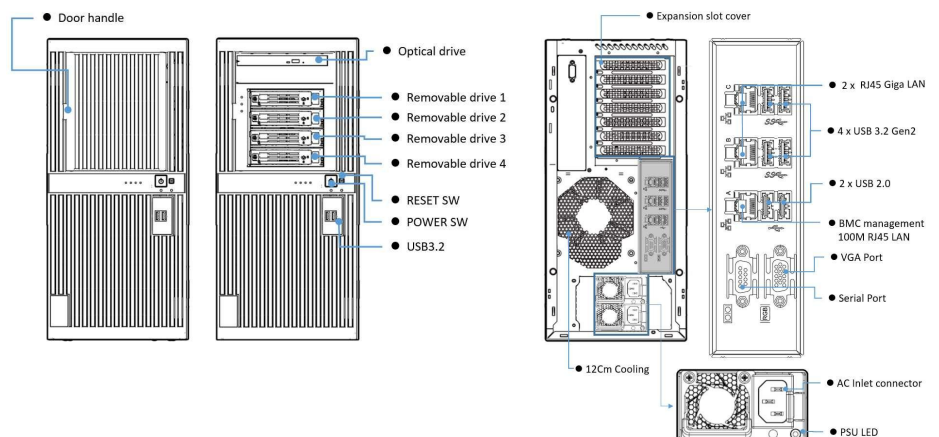
**XEON SCALABLE
3RD GEN. PROCESSOR**

Features

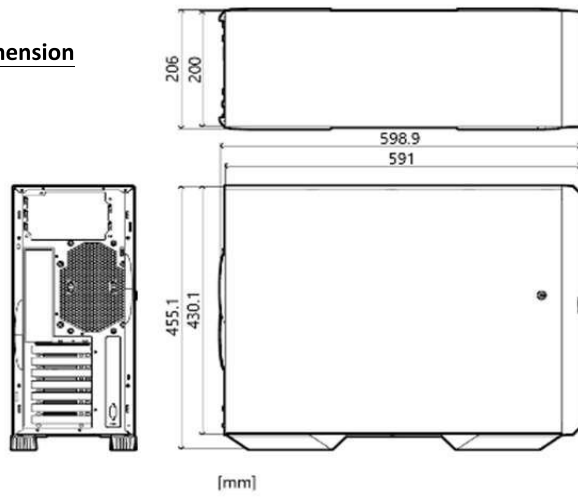
- 3rd Gen Intel® Xeon® Scalable Processors for highest server performance and GPU solution
- 4 x SATAIII Storage removable bay supports hot swap
- Supports 3 x PCIe Gen4 x16 slots + 2 x PCIe Gen4 x8 slots + 1 x PCIe Gen3 x4 slot
- Onboard dual Giga Lan ports & 4x USB 3.2 +2 x USB 2.0
- Onboard Baseboard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

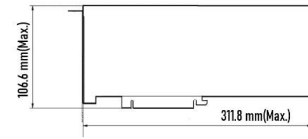


Dimension



[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 - 40°C
	Storage Temperature	-20 - 60°C
	Humidity	20 - 80%RH (Non-condensing)
	Altitude	5000M (16,404 fit)
	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 + Storge kit + CRPS(1600W)
● VPC-7000-GU2xxxxxxx	Base model with Xeon® Gold 6354 + Storge kit + CRPS(1600W)
● VPC-7000-GU1xxxxxxx	Base model with Xeon® Gold 6330 + Storge kit + CRPS(1600W)