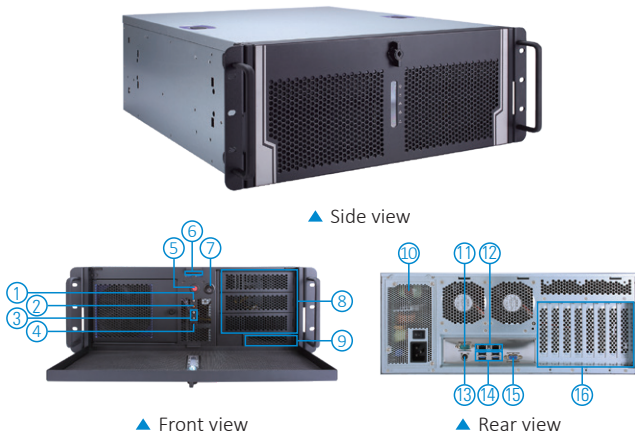


# iHPC300

4U Rackmount GPU Workstation with 3rd Generation Intel® Xeon® Scalable Processor and Multiple Accelerator Cards



1. Power LED
2. HDD LED
3. LAN activity LED
4. Programmable LED
5. System reset
6. 2 x USB 3.1 Gen1
7. Power switch
8. 3 x 5.25" HDD drive bay

▲ Side view

▲ Rear view

9. 1 x 3.5" HDD drive bay
10. 1200W or 2000W power supply
11. COM port
12. 2 x LAN
13. PS/2 Combo Port
14. 4 x USB 3.1 Gen1
15. VGA
16. Expansion slots

## Features

- LGA4189 socket Intel® Xeon® Scalable processor, up to 270W, 40 cores
- Six DDR4-3200 R-DIMM ECC memory, up to 384GB
- 3 PCIe x16 and 3 PCIe x8, supporting up to six accelerator cards
- Supports M.2 Key M 2280
- TPM 2.0 supported (optional)



## Specifications

CPU	LGA4189 socket Intel® Xeon® Scalable CPU up to 270W, 40 cores (code name: Ice Lake-SP)
System Memory	6 x DDR4-3200 R-DIMM ECC memory, up to 384GB
Chipset	Intel® C621A
BIOS	AMI BIOS
Drive Capacity	Exposed: 3 x 5.25" HDD drive bay and 1 x 3.5" HDD drive bay Internal: 3 x 3.5" HDD drive bay or 2 x 3.5" or 1 x 2.5"
Cooling	1 x 12cm PWM front fan
Watchdog Timer	255 levels, 1 to 255 sec.
Expansion Interface	Slot1: PCIe x8 Slot2: PCIe x16 (Gen4) Slot3: M.2 key M 2280 (signal: x4) Slot4: PCIe x16 (Gen4) Slot5: PCIe x8 slot (signal: x0 or x8) Slot6: PCIe x16 (signal: x16 or x8) Slot7: PCIe x8
Rear I/O	1 x RS-232/422/485 1 x PS/2 keyboard and mouse
Storage	6 x SATA3 with RAID 0/1/5/10 1 x NVMe M.2 M Key: 2280 (PCIe x4)
Ethernet	2 x 10/100/1000Mbps LAN port with Intel® i210-AT
Audio	HD Codec audio as MIC-in/Line-in/Line-out/Speaker-out with audio kit AX93242 (optional)
USB	4 x USB 3.1 Gen1 (rear I/O) 2 x USB 3.1 Gen1 (internal box header) 6 x USB 2.0 (internal box header) 1 x USB 2.0 (180D TypeA)
SMBus	System Management Bus for advanced monitoring/control

## Specifications

Front panel	Indicator	1 x Power LED 1 x HDD LED 2 x LAN activity LED 1 x Programmable LED
	Controls	1 x Power switch 1 x System reset
	Connector	2 x USB 3.1 Gen1
Power Supply Type	<ul style="list-style-type: none"> <li>1200W AC Input voltage: 100 to 240V</li> <li>2000W AC Input voltage: 200 to 240V</li> </ul>	
Graphic	AST2510	
Memory Size	N/A	
Display Interface	1 x VGA	
Operation Temperature	0°C to +40°C (+32°F to +104°F)	
Storage Temperature	-20°C to +60°C (-4°F to +140°F)	
Humidity	10% - 95%, non-condensing	
OS Support	Windows Server 2019 Linux: Ubuntu 20.04	
Dimensions	430 mm (16.9") (W) x 174.8 mm (6.9") (H) x 515mm (20.3") (D)	
Weight (net/gross)	17.15 kg (37.8 lb)/ 21.78 kg (48 lb)	
Certification	CE/FCC	

\*Please refer to the user's manual for the system CPU support list and the system operating temperature list.

## Ordering Information

### System

iHPC300-C621A-BA (P/N: E26W300100)	4U rackmount GPU workstation with Intel® Xeon® Scalable processor, 1200W, and 3 PCIe x16
iHPC300-C621A-BB (P/N: E26W300101)	4U rackmount GPU workstation with Intel® Xeon® Scalable processor, 2000W, and 3 PCIe x16

### Optional Accessory

5938A808010E	2 x USB 2.0 cable with bracket, P=2.54 mm, L=190 mm
5938A808020E	2 x USB 2.0 cable with bracket, P=2.54 mm, L=400 mm
5948C122800E	2 x USB 3.1 Gen1 cable with bracket, L=400 mm
E393242100	AX93242-RC HD audio converter kit
83935151000E	TPM 2.0 module (AX93515)
593826A0000E	SATA signal cable/red, L=500 mm
713WFB30000E	LGA-4189 CPU cooler for iHPC300 (above 205W TDP)

\* Specifications and certifications may vary based on different requirements.