

iHPC100 NEW

Tower GPU Workstation with 12th Gen Intel® Core™ Processor



▲ Front view

Features

- LGA1700 socket 12th Gen Intel® Core™ processor
- 1 PCIe x16, 4 PCIe x4, and 1 PCI
- ATX PSU & ATX redundant PSU 750W for full-size GPU card
- Supports HDD drive bays for big data storage
- Door lock design to avoid intrusion



USB 3.2



DDR4



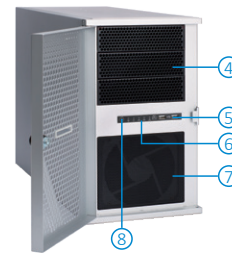
Full-size GPU



PCIe 4.0



▲ Rear view



1. Expansion slots
2. PSU
3. I/O window
4. 3 x 3.5" HDD drive bay
5. 2 x USB 3.2 Gen1
6. Power & HDD LED
7. 12cm system
8. Power switch

Specifications

CPU	LGA1700 socket 12th gen Intel® Core™ i9/i7/i5/i3, Pentium® or Celeron® processor, up to 125W
System Memory	4 x 288-pin DDR4-3200 R-DIMM unbuffered non-ECC memory, up to 128GB
Chipset	Intel® Q670E
BIOS	AMI BIOS
Drive Capacity	Exposed: 3 x 5.25" HDD drive bay Internal: 1 x 3.5" & 1 x 2.5" HDD drive bay
Cooling	1 x 12cm
Watchdog Timer	255 levels, 1 to 255 sec.
Expansion Interface	Slot1: PCIe x16 (Gen4) Slot2: PCIe x4 (Gen4) Slot3: PCIe x4 (Gen4) Slot5: PCIe x4 (Gen4) Slot6: PCI Slot7: PCIe x4 (Gen4) 1 x M.2 Key B 2230 (PCIe & USB 2.0 signal)
Storage	4 x SATA3 with RAID 0/1/5/10 1 x NVMe M.2 Key M 2280 (PCIe x4)
Serial	1 x RS-232 (rear I/O) 3 x RS-232 (internal box header) 1 x RS-232/422/485 (internal box header) 1 x RS-232/485 (internal box header)
Ethernet	1 x 10/100/1000/2500 Mbps with Intel® I225-V; supports Wake-on-LAN, PXE Boot ROM, TSN 1 x 10/100/1000 Mbps with Intel® I219-V
USB	4 x USB 3.2 Gen1x1 (5Gbps, rear I/O) 2 x USB 2.0 (rear I/O) 4 x USB 2.0 (internal pin header) 1 x USB 2.0 (internal 180D type A)

Specifications

Audio	HD Codec audio as MIC-in/Line-in/Line-out	
Front panel	Indicators	1 x Power LED 1 x HDD LED
	Controls	1 x Power switch 1 x System reset
	Connector	2 x USB 3.2 Gen1x1 (5Gbps)
Power Supply Type	750W AC input voltage: 100 to 240V	
Memory Size	Share system memory	
Display Interface	1 x VGA, up to 1920x1200 @60Hz 1 x HDMI 1.4b, up to 4096x2160 @24Hz 1 x DVI-D, up to 1920x1200 @60Hz	
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	Linux: Ubuntu 20.04 Windows 11	
Dimensions	462 mm (18.2") (W) x 330 mm (13") (H) x 196 mm (7.7") (D)	
Weight (net/gross)	TBC	
Certification	TBC	

Ordering Information

System

iHPC100 (P/N: TBD)	Tower GPU workstation with with 12th gen Intel® Core™ processor, 750W PSU
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Dimensions

