

iHPC100 NEW

Tower GPU Workstation with Intel® Core™ Processors (Series 2)

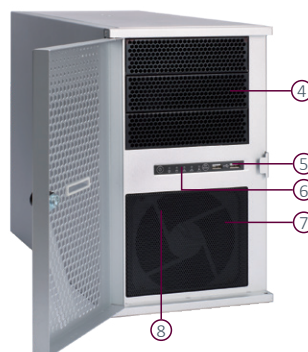


▲ Front view



▲ Rear view

1. Expansion slots
2. PSU
3. I/O window
4. 3 x 5.25" HDD drive bay
5. 2 x USB 3.2 Gen 1
6. Power & HDD LED
7. 12 cm system
8. Power switch



USB 3.2



DDR4



Full-size GPU



PCIe 4.0

Features

- LGA1700 socket Intel® Core™ processors (Series 2) with P-core
- Supports 2 PCIe x16 slots with PCIe Gen 5 for GPU cards
- 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
- Supports Intel® Arc Graphics for high-performance edge AI and OpenVINO™ Toolkit



Specifications

CPU	LGA1700 socket BTL-S*/14th/13th/12th Gen Intel® Core™ processor, up to 125W * Supports Intel® Core™ Series 2 Hybrid (E) & P-Core only (PE) processors.
Chipset	Intel® R680E
System Memory	4 x 288-pin DDR4-3200 ECC/non-ECC un-buffered Long-DIMM, up to 128GB (ECC memory available only for Intel® R680E)
Drive Capacity	Exposed: 3 x 5.25" HDD drive bay Internal: 1 x 3.5" & 1 x 2.5" HDD drive bay
System I/O	Front I/O 2 x dual USB 3.2 Gen 1 x1 (5G)
	Internal 4 x USB 2.0 (pin header) 1 x USB 2.0 (180D Type-A)
	Rear I/O 4 x USB 3.2 Gen 2 x1 (10G) 2 x RS-232/422/485 1 x 2.5GbE with Intel® I226-LM supporting Wake-on-LAN, PXE Boot ROM, TSN, and Intel® AMT with Intel vPro® 1 x GbE Ethernet with Intel® I210-AT supporting Wake-on-LAN and PXE Boot ROM 1 x VGA, up to 1920 x 1200 @ 60Hz 1 x HDMI 1.4b, up to 4096 x 2160 @ 24Hz 1 x DisplayPort++ (DP 1.2), up to 4096 x 2304 @ 60Hz 1 x DVI-D, up to 1920 x 1200 @ 60Hz HD codec audio as MIC-in/Line-in/Line-out
Control	1 x power switch 1 x system reset
Storage	4 x SATA 3.0 with RAID 0/1/5/10 1 x NVMe M.2 Key M 2280 (PCIe x4)
Expansion Interface	2 x PCIe Gen 5 x16 slot (signal: PCIe x16 + PCIe x0 or PCIe x8 + PCIe x8) 3 x PCIe x4 slot open ended (1 x Gen 3 + 2 x Gen 4) (signal by PCH) 1 x PCI Express Mini Card slot (signal: PCIe x1) 2 x 32-bit PCI slot, default clock is 33 MHz, PCI clock could be selected between 33 or 66 MHz by jumper (signal by PCH)
TPM	TPM 2.0 (optional)
BIOS	AMI BIOS
Watchdog Timer	255 levels, 1 to 255 sec.
Indicators	1 x power LED 1 x HDD LED
Power Supply	750W AC input voltage: 100 to 240V
Operation Temperature	0°C to +40°C (+32°F to +104°F)
Storage Temperature	-20°C to +60°C (-4°F to +140°F)
Relative Humidity	10% to 95% relative humidity, non-condensing
Cooling	1 x 12 cm PWM front fan
Construction	Heavy-duty steel
Dimensions (W x D x H)	462 x 330 x 196 mm (18.2" x 13" x 7.7")
Packing Dimensions (W x D x H)	TBC
Weight (net/gross)	TBC
Certification	TBC
OS Support	Linux: Ubuntu 20.04 Windows® 11

Ordering Information

iHPC100 (P/N: TBD)	Tower GPU workstation with with Intel® Core™ processors (Series 2), 750W PSU
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Dimensions

Unit: mm

