

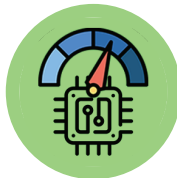
# PBX-751GE-TNRT-NV1

HIGH-End Workstation



## Key applications

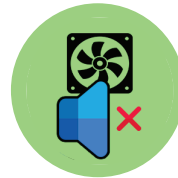
- High Performance Computing
- AI and Deep Learning Training
- AI Development



Professional Overclocking



Closed-loop liquid cooling for CPUs and GPUs



Acoustically optimized for quiet operation



PCI 4.0 High Endurance



3 Years Premium warranty

## Basic features



Dual 4th Gen Intel® Xeon® Scalable 6444Y installed (16 cores at 3.6GHz)



Nvme 1TB Gen4 1DWP, R 700000 - W 400000 IOPS (4KB)



16 DIMMs, 512GB: 16 x 32GB DRAM



4 liquid-cooled Nvidia® A100 GPUs installed  
Nvidia® RTX A4000 GPU for display output installed



2U 2200W Redundant Power Supply for Workstation




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# Specifications

Processor
Chipset: Intel® C741
Socket: Dual Intel® Socket E LGA4677
Processor: Dual 4th Gen Intel® Xeon® Scalable 6444Y
# of Cores: 16
Cache: 30MB
System cooling
Fans: - 1 x 8cm fan - 2 x 12cm fans
Memory
Capacity: 16 DIMM slots
Support: 512GB: 16 x 32GB DRAM
Memory Type: 4800MHz ECC DDR5 DRAM
Storage
M.2 slots: 2 x M.2 NVMe
Expansion slots
PCIe slots: 7 x PCIe 5.0 x16 FHFL
*Note: 4 Nvidia® Liquid-cooled A100, Nvidia® RTX A4000, Nvidia® Connect-X6 Dx 25G Network adapter installed
On-Board devices
SATA: SATA3 (6Gbps); RAID 0, 1, 5, 10 support
Network Connectivity: - 2 x 10GbE BaseT with Intel® X550-AT2 - 1 x 1GbE BaseT with ASPEED AST2600 - 1 x 25GbE SFP28 with Nvidia® Connect-X6 Dx
IPMI: IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Power supply
Base power: 2U 2200W Redundant Power supply for Workstation
Certification:  Titanium Level

Chassis
Form factor: Tower or 5U Rackmount
Dimensions (mm): 701 (L) x 454.7 (W) x 218.4 (H)
Color: Black
Front Panel
Buttons: - Power On/Off button - Reset button
LEDs: - HDD activity LED - Information LED - Network 1 activity LED - Network 2 activity LED - Power status LED
Input/Output
SATA: - 2 x SlimSAS - 2 x SuperDOM
NVMe: 4 x NVMe U.2
SATA: - 1 x RJ45 1GbE (Dedicated IPMI port) - 1 x SFP28 25GbE - 2 x RJ45 10GbE
USB: - 2 x USB 3.2 Gen 1x2 (2 front) - 1 x USB 3.2 Gen 2x1 (1 rear Type C) - 3 x USB 3.2 Gen 1 (3 rear)
Video: 1 x VGA port
Drive Bays
Hot-swap: 8 x 2.5" hot-swap NVMe/SATA drive bays (2 x 1.92TB NVMe drives RAID 1, 4 x 1.92TB NVMe drives installed)
Operating system
OS: Ubuntu 22.04 LTS
Mouse e tastiera
Mouse: Logitech® B110
Tastiera: Logitech® K120

