The Portwell's NURO-841T is a Tower Workstation GPU Server based on Intel® Xeon®/Core™ processor, and is capable of supporting full-height, full-length 4x PCIe 3.0 x16 GPU and 3x PCIe 3.0 x8 cards. With its high-performance capability, NURO-841T is designed for AI training and GPU applications.

FEATURES

• 4x full size PCIe 3.0 x16 and 3x full size PCIe 3.0 x8
• Dual LGA3647 socket supports (2) Intel® Xeon® Scalable Processor (Skylake-SP)
• Intel® C621 Chipset
• Supports up to 384GB RDIMM/768GB LRDIMM/1, 536GB RDIMM 3DS/ LRDIMM 3DS on (6+6) DDR4 2666 DIMM sockets
• 2x M.2 connectors (2242/2260/2280) by PCIe interface
• Optional Internal 2x 2.5" HDD/SSD and 1x 3.5" HDD
• 3x 5.25" Bays for Optional Hot Swap Storage Peripherals
• 1+1 80 Plus Platinum Redundant CRPS PSU

INTERIOR

Main Board

Processor	Dual Intel® Xeon® Skylake-SP Scalable Processor | MAX 205W
Chipset	Intel® C621 PCH
System Bus	Up to 10.4/9.6 GT/s with Intel UltraPath Interconnect (UPI) support
BIOS	AMI UEFI BIOS
Memory	6 Channels per CPU, Supports up to 384GB RDIMM/768GB LRDIMM/1,536GB RDIMM 3DS/LRDIMM 3DS on (6+6) DDR4 2666 DIMM sockets
Storage Devices	-2x SATA Mini-SAS HD (8-port) -2x sSATA 8-pin SATA/SATA-DOM -1x Mini-SAS HD (4-port) -1x M.2 (2242) PCI-E Interface -1x M.2 connector (2242/2260/2280) PCI-E Interface
Watchdog Timer	-FRB-2 Timer: 3 to 6 mins -OS Watchdog Timer: 5 to 20 mins
Hardware Monitoring	System monitor (Voltage, Fan Speed, and Temperature)
System Fan	-2x 120mm x 38mm (Front) -2x 80mm x 80mm (Rear)

External I/O

Expansion Interface	-4x PCIe x16 Gen 3 -3x PCIe x8 Gen 3
VGA	1x D-Sub 15-pin VGA port (at rear)
Audio	-1x SPDIF OUT Connector -1x 26-pin 7.1 ch HD Connector
Ethernet	2x RJ-45 connector with LED indicators (1 port shared with IPMI)
Serial Port	1x Header
USB	-4x USB3.1 Gen 1 ports (Rear) -2x USB3.1 Gen 1 ports (Front) -2x USB2.0 ports (Front)

Power Supply

Power Input	1+1 80 Plus Platinum Redundant 550W, 800W, 1200W, 1600W, or 2000W CRPS PSU

Mechanical & Environment

Dimension (WxHxL)	429mm x 174mm x 523.8mm
Operation Temperature	10°C~35°C
Storage Temperature	-40°C~70°C
Relative Humidity	5~95%, non-condensing at 35°C
Weight	7.94kg (17.5lbs)

Preliminary datasheet only, information is subject to change without prior notice.