NURO-821E

Front View   Back View

The Portwell's NURO-821E is a high-end edge computing GPU workstation based on Intel® Xeon®/Core™ processor, and is capable of supporting dual full-height, full-length PCIe 3.0 x16 GPU cards. With its high performance capability, NURO-821E is designed for AI inference applications.

■ FEATURES

- Supports 2x full size PCIe 3.0 x16 GPU
- Supports Intel® C246 chipset
- Delivers up to 64GB DDR42666 MT/s ECC SO-DIMM on two sockets
- Supports 1x M.2 NVMe SSD and 1x Removeable 2.5" SATAIII drive
- 850W/1200W Removable PSU

■ INTERIOR

Main Board

Processor	Intel® Xeon® E series / 8th/ 9th Gen Core™ processors up to 3.4 GHz (35~65W) with Cache in LGA1151 package
Chipset	Intel® C246
BIOS	AMI UEFI BIOS (SPI ROM)
Memory	- Supports up to 64GB DDR4-2666 MT/s SDRAM on two 260-pin SO-DIMM sockets - Supports ECC
Graphic Controller	Intel® Coffee-Lake-S processors integrated graphics engine
Display Interface	Dual mini DP on bracket, resolution up to 4096x2304 @ 60Hz
Audio	1x on-board audio pin header
Ethernet	Dual 10BASE-T / 100BASE-TX / 1000BASE-T Ethernet RJ-45 connector with LED indicators
Serial Port	1x RS-232/422/485 selectable by BIOS
USB	2x USB3.1 Gen 2 ports (Rear)
Watchdog Timer	Programmable via S/W from 0.5 sec to 255 sec
Hardware Monitoring	System monitor (Voltage, Fan Speed, and Temperature)

Expansion

Expansion Interface	2x PCIe 3.0 x16
Size	Dual-Width Full Height Full Length
Power Connector	1x 6-pin + 1x 8-pin

System

Storage Devices	- 1x 2.5" SATA III external drive tray - 1x M.2 NVMe Key E 2280 - 1x mSATA socket
Power Input	850W / 1200W Removable PSU
System Fan	1x 120mm x 38mm
USB	- 4x USB3.1 Gen 1 ports (Front) - 2x USB3.1 Gen 2 ports (Rear)

Mechanical & Environment

Dimension (WxHxL)	198mm x 198mm x 444mm
Operation Temperature	0°C~60°C
Storage Temperature	-20°C~80°C
Relative Humidity	5~95%,non-condensing
Weight	7.94kg (17.5lbs)

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