



• NA250A

Desktop PCIe Slot Expansion System GPU Enclosure

- High-speed 40 Gbps PCIe 2.0 ×8 host connectivity
- Solid metal structure with stylish aluminum housing
- Single power supply 1000 watts for GPU usage
- Two front and one rear quiet hot-swappable cooling fans for self-contained ventilation
- Capable of up to four dual-slot GPU cards
- Environmental monitoring with fan/temp. LEDs and mutable buzzer alarm

Overview

NA250A renders flexibility to expand the I/O capabilities of a workstation or server, allowing an expansion of six PCIe slots for graphics card users, a perfect solution for adding PCIe/GPU cards to workstation or server with limited PCIe card space. NA250A gives large cost savings to graphics card users because of its support of the increasing need of I/O expansion, and its elimination of the need to invest in new computer hardware. In addition, consistent configuration of workstation or server is maintained, and a cost-effective way to expand the number of PCIe slots is provided, offering increased capacity and scalability for PCIe I/O capabilities.

40 Gbps Host Connectivity

The easy and cost-effective PCIe to PCIe expansion system NA250A features easy plug and play installation, containing PCIe 2.0 ×8 host card and data cable for up to 40 Gbps high-speed transfer. The NA250A is configured by the BIOS from the workstation or server automatically, which makes all the PCIe slots on NA250A available to the workstation or server. Any combination of ×1, ×4, ×8 and ×16 half-length or full-length PCIe cards is supported by all the PCIe slots on NA250A, providing a solution with high-performance and high bandwidth 40 Gbps for expanding PCIe I/O capacity outside the workstation or server.



Applications

NA250A is ideal for video editing professionals and developers for improving the performance of GPU-intensive application. Individual user or video editing professionals at animation studio do not need to spend as much as two or three times the money for GPU workstations since NA250A provides a low-cost PCIe expansion system for upgrading GPU performance. The benefits of GPU computing can be applied to various areas including:

- Digital content creation
- Medical research
- MotionDSP
- Financial simulation
- 3D seismic interpretation
- Molecular modeling
- 3D Ultrasound TechniScan
- Gene sequencing
- Weather modeling
- Astrophysics

All of the work is made faster and more efficient due to GPU technology, which means a quicker result as well as dollars and energy saved.



Specifications

| Model | NA250A-GPU | NA250A-PRO |
|---------------------------|---|---|
| Form Factor | Desktop | |
| Host Interface | Up to 40 Gbps external PCIe 2.0 ×8 | |
| No. of Slots | 4* PCI Express 2.0 ×8 (×16 connector) 2* PCI Express 2.0 ×4 (×4 connector) | |
| LED Display for Enclosure | Power-on LED – blue Fan normal – green; fan failure – red Temp. normal – green; temp. over 55°C - red | |
| Material | Solid metal structure with aluminum housing | |
| Power Supply | Single 1000 W (server-grade) Input: 90-230 V AC, 50/60 Hz universal | Single 400 W (server-grade) Input: 90-230 V AC, 50/60 Hz universal |
| Extra Power Connector | with extra 8* PCIe (6+2) pin power cable for up to 4* GPU cards | N/A |
| Cooling | Front: two 120×120×25 mm cooling fans Rear: one 60×60×25 mm cooling fan | |
| Alarm | Buzzer beeping for fan failure or over temperature (over 55°C) occurs with mute button | |
| Dimension | 450(D) × 175.8(W) × 374(H) mm 17.7(D) × 6.9(W) × 14.7(H) inch | |
| O.S. Support | O.S. independent | |
| Host Requirement | One available PCI Express 2.0 ×8/×16 slot | |