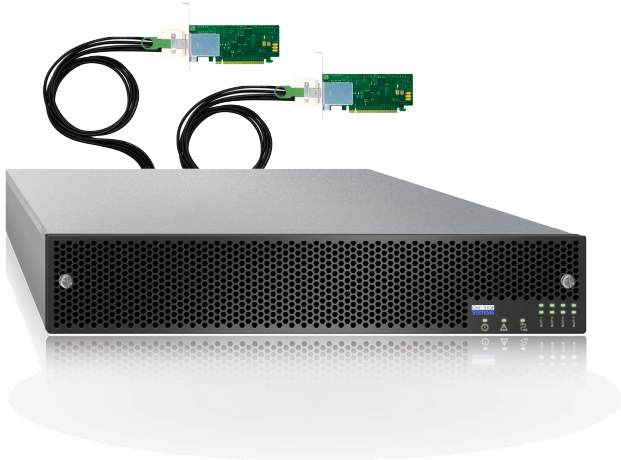


2U Accelerator System

Product #OSS-PCIe-2U-SYS-9270-4-1
 OSS-PCIe-2U-SYS-9270-4-2
 OSS-PCIe-2U-SYS-9250-8-2



Description

The 2U computational accelerator system offers over 2TFLOPs raw single precision performance in a scalable 2U PCIe-based expansion system including remote system monitoring and host connectivity to 80Gb/s. Designed to accommodate either the AMD Firestream 9270 and 9250 boards.

Features

- Scalable 2U enclosure includes either:
 - four FireStream 9270's
 - eight FireStream 9250's
- Remote system monitoring capability
 - Monitors fans, temperature and voltages
- Two 850 watt power supplies
- Superior cooling with eight 30 CFM fans
- One or two PCIe x16 Gen 2 host cable adapter
- 1 meter PCIe x16 cable



Specifications

Enclosure	19" rack, unit dimensions: 17"W x 3.5"H x 21"D Removable front bezel with air filter Front panel LEDs One or two rear panel PCIe Gen 2 x16 interface
PCIe backplane	Supports up to eight full size PCIe x16 boards Up to two x16 PCIe input to rear of enclosure
Power	Dual 850W power supply Removable power supply V1: +12V @70A V2: +5sb @ 3A
System monitoring/ alarming	Monitors up to 8 temp sensors Monitors up to 4 fan tachometers Monitors up to 3 voltages including standard +12V, +5V, +3.3V
Operating environment	Temperature Range: • Operating: 0°C – 35° C • Storage: -40° – +85° C Humidity: • Operating: 10% to 90% relative humidity (non-condensing) • Non-operating 5% to 95% relative humidity (non condensing) Altitude: • Operating 0 to 10,000 feet • Storage 0 tp 50,000 feet
Agency compliance	FCC Class A CE Mark UL





2U Accelerator System

Product #OSS-PCIe-2U-SYS-9270-4-1
 OSS-PCIe-2U-SYS-9270-4-2
 OSS-PCIe-2U-SYS-9250-8-2



Specifications continued

FireStream™ 9250

Double Precision Floating Point	The FireStream 9250 supports double precision floating point operations in hardware
High Performance per Watt	Up to 8 GFLOPS per watt of single precision performance potential
Open Systems	Familiar 32 and 64 bit Linux and Microsoft® Windows® environments High level tools from multiple 3rd party developers
Multiple Software Entry Points	C-like development environment via extensions to open source Brook+ Low level access to hardware via open IL and ISA specifications in AMD Stream's CAL
Scalable Solutions	Stream software supports multiple GPUs per system
Commodity Components	FireStream leverages commodity GPU components designed for PC gamers resulting in a reliable GPU and memory roadmap

FireStream™ 9270

Double Precision Floating Point	The FireStream 9270 supports double precision floating point operations in hardware
High Performance per Watt	Over 5 GFLOPS per watt of single precision performance potential
Open Systems	Familiar 32 and 64 bit Linux and Microsoft® Windows® environments OpenCL®-ready technology High level tools from multiple 3rd party developers
Multiple Software Entry Points	C-like development environment via extensions to open source Brook+ Low level access to hardware via open IL and ISA specifications in AMD Stream CAL Support for the OpenCL specification (when available)
Scalable Solutions	Stream software supports multiple GPUs per system
Commodity Components	FireStream leverages commodity GPU components designed for PC gamers resulting in a reliable GPU and memory roadmap

Ordering Information:

PN: OSS-PCIe-2U-SYS-9270-4-1: 2U Accelerator Expansion System including four AMD FireStream 9270 GPU boards, internal system monitor, PCIe x16 Gen 2 host cable adapter, 1 meter PCIe x16 cable

PN: OSS-PCIe-2U-SYS-9270-4-2: 2U Accelerator Expansion System including four AMD FireStream 9270 GPU boards, internal system monitor, two PCIe x16 Gen 2 host cable adapters, two 1 meter PCIe x16 cable

PN: OSS-PCIe-2U-SYS-9250-8-2: 2U Accelerator Expansion System including eight AMD FireStream 9250 GPU boards, internal system monitor, two PCIe x16 Gen 2 host cable adapters, two 1 meter PCIe x16 cable



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