



究極の演算性能を実現

4 GPU
システム

単精度演算 4.8TFLOPS/ 倍精度演算 960GFLOPS

AMD FireStream™ 9270 を 4 枚搭載した GPU コンピューティング ACUBE Pallavec シリーズ バラベック

特長

- デュアルスロット GPU を最大 4 枚搭載可能
- デュアル CPU 対応
- 豊富な拡張スロット
- 80 PLUS GOLD 認証を取得した 1400W 冗長電源を搭載
- ラックマウント可能な(4U)ケースデザイン
- ホットスワップ対応 HDD ドライブベイ

アプリケーション

- ◆ GPGPU
- ◆ Scientific Computing
- ◆ Medical Application
- ◆ High-end Workstation



AMD FireStream™ 9270

4U AMD Opteron 版 「ACUBE Pallavec for AMD Opteron」



- AMD FireStream9270 4 基搭載可能
- PCI-E Gen2×16 スロット ×4 (4GPU カード搭載可能)
- LSI 2008 SAS2 は 8SAS/SATA HDD サポート
- 最大 128GB メモリ搭載可能

製品名：ACUBE Pallavec for AMD Opteron
 型番：AP-AOx6-4T9270
 参考販売価格：¥486,000 (税込)

4U Intel Xeon 版 「ACUBE Pallavec for Intel Xeon」



- AMD FireStream9270 4 基搭載可能
- PCI-E Gen2×16 スロット ×4 (4GPU カード搭載可能)
- 最大 96GB メモリ搭載可能

製品名：ACUBE Pallavec for Intel Xeon
 型番：AP-IXE-4T9270
 参考販売価格：¥486,000 (税込)

※上記 2 製品に CPU、メモリ、HDD、光学ドライブ、OS、キーボード、マウスは付属しておりません。製品構成は下記の通りです。

・AMD FireStream™ 9270 1 台、マザーボード、CPU クーラー、筐体(電源含む)、電源ケーブル

ACUBE



AMD FireStream™ 9270 を 4 枚搭載した GPU コンピューティング ACUBE Pallavec シリーズ パラベック

製品仕様

4U Intel Xeon 版	
Product SKUs	SYS-7046GT-TRF • SuperServer 7046GT TRF(Black)
Motherboard	Super X8DTG-QF
Processor/Cache	CPU <ul style="list-style-type: none"> • Dual 1366-pin LGA Sockets • Supports up to two Intel® 64-bit Xeon® processor(s) of the same type below: • Quad-Core Intel® Xeon® Processor 5500 sequence (Nehalem-EP processor) QPI up to 6.4 GT/s
System Memory	Memory Capacity <ul style="list-style-type: none"> • 12x 240-pin DIMM sockets • Supports up to 96 GB 1333 / 1066 / 800MHz DDR3 ECC Registered memory • Supports up to 24 GB 1333 / 1066 / 800MHz DDR3 ECC Unbuffered memory • Memory Mirroring supported Memory Type 1333 / 1066 / 800MHz ECC Registered / ECC Unbuffered DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
Memory Capacity	1GB, 2GB, 4GB, 8GB
Memory Type	1.5 V
Memory Voltage	Error Detection <ul style="list-style-type: none"> • Corrects single-bit errors • Detects double-bit errors (using ECC memory) • Supports Intel® x4 and x8 Single Device Data Correction (SDCC)
On-Board Devices	Chipset <ul style="list-style-type: none"> • Dual Intel® 5520 (Tylersburg) chipset • ICH10R SATA <ul style="list-style-type: none"> • Intel ICH10R SATA 3.0Gbps Controller • RAID 0, 1, 5, 10 support Network Controllers <ul style="list-style-type: none"> • Intel® Dual 82574L Gigabit Ethernet • Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output • Intel® I/OAT 3 support for fast, scaleable, and reliable networking • VMDq support for better performance of virtualization Graphics Matrox G200eW Super I/O Winbond 83827HF chip
Expansion Slots	PCI <ul style="list-style-type: none"> • 4 (x16) PCI-E 2.0 slots • 2 (x4) PCI-E 2.0 (in x16 slots) • 1 (x4) PCI-E (in x8 slot) PCI-Express 2x 33MHz PCI slots
Input / Output	Serial ATA <ul style="list-style-type: none"> • Six Serial ATA ports • Six SATA hard drives supported LAN 2x RJ45 LAN ports USB <ul style="list-style-type: none"> • 4x USB rear ports • 2x USB on-board • 1x USB internal header - 2 ports • Total 8 USB 2.0 Compliant VGA 1x VGA Port Keyboard / Mouse PS/2 keyboard and mouse ports Serial Port / Header <ul style="list-style-type: none"> • 1 Fast UART 16550 serial port • 1 Fast UART 16550 serial header (Option)
Chassis	Form Factor <ul style="list-style-type: none"> • 4U Rackmountable / Tower • Optional Rackmount Kit Model CSE-747TQ-R1400B
Dimensions	Size H 7" (178mm) × W 17.8" (452mm) × D 29.4" (746mm)
Gross Weight	72 lbs (32.7kg)
Package	38.6" x 26.6" x 17.4"
Available Color	Dark Gray
Power Supply	1400W high-efficiency power supply with PMBus <ul style="list-style-type: none"> AC Input <ul style="list-style-type: none"> • 1200W: 100 - 140V, 50 - 60Hz, 10.5 - 14.7 Amp • 1400W: 180 - 240V, 50 - 60Hz, 7.2 - 9.5 Amp DC Output + 5V standby 4 Amp DC Output + 12V <ul style="list-style-type: none"> • 91 Amp @ 100-140V • 116 Amp @ 180-240V With Distributor <ul style="list-style-type: none"> • +5V: 30 Amp • +3.3V: 24 Amp • -12V: 0.6 Amp
PC Health Monitoring	CPU <ul style="list-style-type: none"> • Monitors for CPU Cores, +1.8V, +3.3V, +5V, ±12V, +3.3V Standby, +5V Standby, VBAT, HT, Memory, Chipset Voltages. • 6-Phase-switching voltage regulator Temperature <ul style="list-style-type: none"> • Monitoring for CPU and chassis environment • Thermal Control for 8x fan connectors • PECI Other Features <ul style="list-style-type: none"> • Chassis intrusion detection • Chassis intrusion header

4U AMD Opteron 版	
Product SKUs	AS-4021GA-62R+F • A+ Server 4021GA-62R+F (Black)
Motherboard	Super H8DA6+F
Processor/Cache	CPU <ul style="list-style-type: none"> • Dual 1207-pin Socket F • Supports up to two Six-Core AMD Opteron™ 2000 Series processors • HT3.0 Link support Chipset Dual AMD chipset SR5690 + SP5100
System Memory	Memory Capacity <ul style="list-style-type: none"> • Sixteen 240-pin DIMM sockets • Support up to 128GB DDR2 800/667/533 MHz memory • Dual channel memory bus • Single or Dual (recommended) channel memory support • For Dual CPUs: Recommended that memory be populated equally in adjacent memory banks Memory Type <ul style="list-style-type: none"> • DDR2 800/667/533 MHz Reg. ECC SDRAM 72-bit, 240-pin gold-plated DIMMs DIMM Sizes 256MB, 512MB, 1GB, 2GB, 4GB, 8GB Memory Voltage 1.8V only
On-Board Devices	SATA <ul style="list-style-type: none"> • AMD SP5100 (RAID 0, 1, 10) SAS <ul style="list-style-type: none"> • LSI 2008 8 port SAS2 controller • RAID 0, 1, 10; RAID 5 Optional • Optional: AOC-IMRRAKEY-2008-LSI RAID 5 support IPMI <ul style="list-style-type: none"> • Support for Intelligent Platform Management Interface v.2.0 • IPMI 2.0 with virtual media over LAN and KVM over LAN support • Winbond® WPCM450 BMC Network Controllers <ul style="list-style-type: none"> • Intel® 82576 controller, Dual-Port, Gigabit Ethernet • 10/100/1000BASE-T support Graphics Matrox G200eW 16MB DDR2 Super I/O Winbond® 83627DHG chip
Expansion Slots	PCI-Express <ul style="list-style-type: none"> • 4x PCI-e 2.0 x16 • 2x PCI-e 2.0 x4 (in x8 slot) PCI 1x PCI 32-bit 33MHz slot
Input / Output	SATA <ul style="list-style-type: none"> • 6x SATA2.0 (3Gb/s) Ports SAS <ul style="list-style-type: none"> • Integrated LSI 2008 SAS2 controller support up to 8 SAS/SATA drives IDE <ul style="list-style-type: none"> • Single EIDE channel support up to two UDMA IDE devices • Supports UDMA Mode 5 • Supports PIO Mode 4 • Supports ATA 100/133 LAN <ul style="list-style-type: none"> • 2 RJ45 LAN ports • 1 RJ45 Dedicated LAN supports IPMI USB <ul style="list-style-type: none"> • 6x USB 2.0 ports • 2x Rear / 2x header / 2x type A VGA 1x VGA port Keyboard / Mouse PS/2 keyboard and mouse ports Serial Ports <ul style="list-style-type: none"> • 1x Fast UART 16550 serial port • 1x serial port header
Chassis	Form Factor <ul style="list-style-type: none"> • Tower / 4U Rackmountable • Optional Rackmount Kit (MCP-290-00001-00) Model SC747TG-R1400B-SQ
Dimensions	Size H 7.0" (178mm) × W 17.8" (452mm) × D 29.4" (746mm)
Gross Weight	87 lbs (39.5kg)
Available Color	Black
Power Supply	1400W high-efficiency power supply with PMBus <ul style="list-style-type: none"> AC Input <ul style="list-style-type: none"> • 1200W: 100 - 140V, 50 - 60Hz, 10.5 - 14.7 Amp • 1400W: 180 - 240V, 50 - 60Hz, 7.2 - 9.5 Amp DC Output + 5V standby 4 Amp DC Output + 12V <ul style="list-style-type: none"> • 91 Amp @ 100-140V • 116 Amp @ 180-240V With Distributor <ul style="list-style-type: none"> • +5V: 30 Amp • +3.3V: 24 Amp • -12V: 0.6 Amp
PC Health Monitoring	CPU <ul style="list-style-type: none"> • Monitors CPU Core Voltages, +1.8V, +3.3V, +5V, ±12V, +3.3V Standby, +5V Standby, VBAT, HT, memory, chipset • CPU switching voltage regulator Temperature <ul style="list-style-type: none"> • Monitoring for CPU and chassis environment • CPU Thermal Trip Support • Thermal control for 8x Fan connectors • i°C Temperature Sensing Logic Other Features <ul style="list-style-type: none"> • Chassis Intrusion Detection • Chassis Intrusion Header