ADAPTEC SMARTHBA 2100-8I8E

Kod producenta: 2301900-R

Typ kontrolera	SAS/SATA HBA
Przepustowość	12Gb/s
Ilość kanałów wew.	8
Ilość kanałów zew.	8
maks. ilość urządzeń SAS	256
Poziomy RAID	0,1,5,10
Złącza wew.	2x SFF-8643
Złącza zew.	2x SFF-8644
Typ złącza magistrali	PCI Express 3.0 x8
Format	Low Profile
Waga	360g
Wyposażenie	Additional low profile vented bracket
Gwarancja	36 m-cy
Uwagi	238 SSD/HDDs maximum support and remainder are reserved for expanders and enclosure management.

The 12 Gbps Adaptec SmartHBA 2100-8i8e Host Bus Adapter has 8 internal and 8 external SAS/SATA ports in a x8 PCIe Gen 3 low-profile, MD2 form factor and uniquely combines the capabilities of a full-featured host bus adapter (HBA) with those of a basic RAID adapter using hardware RAID. Built on the Microchip SmartIOC 2100 SAS/SATA protocol controller, HBA 2100 adapters can aggregate the performance of devices to the limits of the PCIe Gen 3 host bus at 6.6 Gbps, and achieve up to 1.7M IOPS without additional overhead or latency. The HBA 2100 adapters also have 40 percent power savings compared to previous generations, and significant power advantages versus competing solutions.

The HBA 2100, with its broad operating system support and ecosystem compatibility, is easy to implement and scale, and the unified maxView management tools and drivers across the Microchip HBA, RAID, and expander solutions enable easy manageability across the entire product line. HBA 2100 adapters are ideal solutions that support SAS/SATA HDDs, tape devices, and SSDs.

Product Features

- 8 internal / 8 external native SAS/SATA ports
- 28 nm SmartIOC 2100 SAS/ SATA protocol controller
- Uniquely combines basic RAID functionality for up to 32 devices supporting RAID levels 0, 1, 10 and 5 in conjunction with full HBA functionality for up to 238 devices
- +1.7M 4K random read IOPS

- 40% Lowest Power than previous genrations
- Low-profile/ MD2 form factor
- 12 Gbps SAS data rates using mini-SAS HD connectors
- Quality and reliability through the unified, hardened Smart Storage stack, which is deployed in over 30 million servers
- Familiar GUI, CLI, and pre-boot tools ensures consistent performance and user experience across all products
- Proven compatibility with existing Adaptec Smart solutions, multiple operating systems, servers, enclosures, SSDs, HDDs, and LTO tape drives
- CPU Platform Diversity -Support for Intel, AMD, and Cavium ThunderX2 (ARM)
- Open Source Management tools
  - Support for up to 256 SAS/SATA target devices (238 SSD/HDDs maximum support and remainder are reserved for expanders and enclosure management)
  - Support for up to 32 drives in RAID arrays
  - Hardware RAID level 0,1,10,5 support
  - Multi-LUN support
  - SAS expander support
  - TLR
  - SATA NCQ
  - Hot plug drive support
  - S.M.A.R.T.
  - MPIO support
  - Multi-initiator (host)/clustering for SAS (HBA devices only)
  - Enclosure management SES-2, SES-3 SFF-8485, SGPIO SFF-8489, IBPI
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  - SFF-8485, SGPIO
  - SFF-8489, IBPI
  - BMC support
  - maxView Storage Manager Web-based GUI management utility OS X support: Windows®, Linux®, Solaris VMware Remote configuration, monitoring and notification Remote firmware updates SMI-S support SMTP
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  - OS X support: Windows®, Linux®, Solaris
  - VMware
  - Remote configuration, monitoring and notification
  - Remote firmware updates
  - SMI-S support
  - SMTP
  - ARCCONF Command-line interface SMI-S support for VMware
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  - SMI-S support for VMware
  - BIOS Configuration Utility (CTRL+A) Legacy configuration utility Flashable BIOS support
  - Legacy configuration utility
  - Flashable BIOS support
  - ROM-Based uEFI BIOS Configuration Utilities HII-based pre-boot GUI configuration utility Arcconf CLI for uEFI shell
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  - Flashable BIOS support Lightweight event monitoring and logging tool Distributes adapter events and notifies user
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- Microsoft Windows, Red Hat, SuSE, CentOS, Ubuntu, VMware ESXi, FreeBSD, Solaris, Citrix Xen Server, and open-source Linux drivers.
- 2.535" H × 6.6" L (64 mm × 167 mm)
- 50°C ambient and 55°C with 200 LFM airflow. Note: This adapter contains a powerful I/O processor that requires adequate airflow to operate reliably. Please install this card only into server or PC chassis with at least 200 LFM airflow. Temperature measured 1 inch from adapter.
- CE, FCC, UL, C-tick, VCCI, KCC, CNS
- RoHS
- 3 years

Strona firmowa produktu: https://www.superstorage.pl/adaptec-smarthba-2100-8i8e-p-4564.html