

manuals.plus /

- › [Hewlett Packard](#) /
- › [HP Smart Array P600 - storage controller \(RAID\) - SAS - PCI-X \(337972-B21 \)](#)

Hewlett Packard 337972-B21

HP Smart Array P600 RAID Controller User Manual

Model: 337972-B21 | Brand: Hewlett Packard

[Introduction](#) [Setup](#) [Operation](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Support](#)

1. INTRODUCTION

The HP Smart Array P600 serial attached SCSI (SAS) controller is designed to enhance performance and reliability for HP servers. This advanced RAID controller supports the latest SCSI technology and offers robust RAID capabilities. As a new generation SAS Smart Array controller, the SA-P600 significantly improves data transfer rates, providing twice the bandwidth of a 4-channel U320 array controller. This manual provides essential information for the installation, operation, maintenance, and troubleshooting of your HP Smart Array P600 controller.

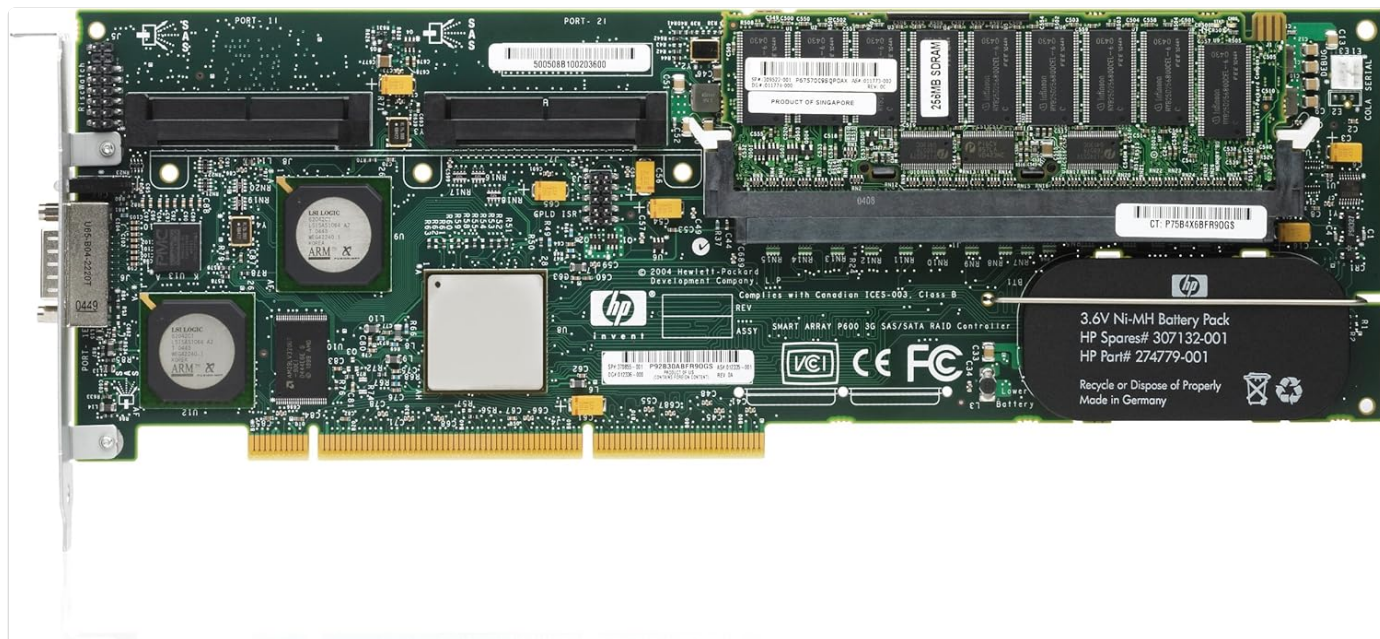


Figure 1: HP Smart Array P600 RAID Controller

This image displays the HP Smart Array P600 RAID Controller card. Key components visible include the PCI-X connector at the bottom, SAS ports (labeled PORT-1 and PORT-2) for connecting SAS drives, and a 256MB SDRAM module for cache memory. The card also features various integrated circuits, including LSI Logic and ARM processors, and a 3.6V Ni-MH Battery Pack for cache backup. The overall design is a green circuit board with numerous electronic components, indicating its function as a high-performance storage controller.

2. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of your HP Smart Array P600 controller. Follow these steps carefully:

1. **Safety Precautions:** Before beginning, ensure the server is powered off and disconnected from all power sources. Wear an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to components.
2. **Locate PCI-X Slot:** Identify an available PCI-X slot on your server's motherboard. The HP Smart Array P600 is designed for PCI-X interfaces.
3. **Insert Controller Card:** Carefully align the controller card with the PCI-X slot. Apply even pressure to both ends of the card until it is fully seated in the slot. Secure the card with the retaining clip or screw provided by your server chassis.
4. **Connect SAS Cables:** Connect the appropriate SAS data cables from your SAS hard drives or SAS backplane to the SAS ports (PORT-1, PORT-2) on the HP Smart Array P600 controller. Ensure connections are secure.
5. **Connect Battery Backup Unit (BBU):** If your model includes a Battery Backup Unit (BBU) for cache protection, ensure it is properly connected to the controller. The 3.6V Ni-MH Battery Pack (HP Spares# 307132-001, HP Part# 274779-001) is typically pre-attached or requires a simple connection.
6. **Close Server Chassis:** Once all connections are secure, close the server chassis cover.
7. **Power On and Configure:** Reconnect power to the server and power it on. During the server's boot process, access the Smart Array controller's BIOS or utility to configure RAID arrays and logical drives. Refer to your server's documentation for specific instructions on accessing the controller utility.

3. OPERATION AND CONFIGURATION

Operating the HP Smart Array P600 involves configuring and managing your storage arrays. This is typically done through the controller's firmware utility or a software management application.

- **Accessing the Controller Utility:** During server boot-up, a prompt usually appears (e.g., "Press F8 to enter Option ROM Configuration for Arrays"). Follow the on-screen instructions to enter the utility.
- **Creating Logical Drives:**
 - Select the physical drives you wish to include in your array.
 - Choose the desired RAID level (e.g., RAID 0, RAID 1, RAID 5, RAID 10). The P600 supports various RAID levels for performance and data redundancy.
 - Define the logical drive size and other parameters as needed.
- **Managing Arrays:** The utility allows you to perform tasks such as:
 - Expanding existing logical drives.
 - Adding spare drives.
 - Monitoring drive status and array health.
 - Performing consistency checks.
- **Driver Installation:** After configuring the arrays, install the appropriate operating system drivers for the HP Smart Array P600 controller. These drivers are typically available on the HP support website or included with your server's driver disc.

4. MAINTENANCE

Regular maintenance helps ensure the longevity and reliability of your HP Smart Array P600 controller and the data it

manages.

- **Firmware Updates:** Periodically check the [HP support website](#) for the latest firmware updates for your P600 controller. Firmware updates can provide performance improvements, bug fixes, and enhanced compatibility.
- **Driver Updates:** Keep your operating system drivers for the controller up-to-date.
- **Battery Backup Unit (BBU) Monitoring:** The 3.6V Ni-MH Battery Pack provides cache protection. Monitor its status through the controller utility. If the battery shows signs of degradation or failure, it should be replaced promptly to ensure data integrity during power outages. The part number for the battery is HP Part# 274779-001 or HP Spares# 307132-001.
- **Physical Inspection:** During server maintenance, visually inspect the controller card for any signs of dust buildup, loose connections, or physical damage. Ensure proper airflow around the card.
- **Data Backup:** While RAID provides data redundancy, it is not a substitute for regular data backups. Always maintain a comprehensive backup strategy for critical data.

5. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your HP Smart Array P600 controller.

Problem	Possible Cause	Solution
Controller not detected by server.	• Card not seated properly. • Faulty PCI-X slot. • Controller failure.	• Reseat the controller card firmly in the PCI-X slot. • Try a different PCI-X slot if available. • Test the controller in another compatible server if possible.
Drives not detected by controller.	• Loose or faulty SAS cables. • Drives not powered. • Faulty drives.	• Check and reseat all SAS data and power cables. • Ensure drives are receiving power. • Test drives individually if possible.
RAID array degraded or failed.	• Drive failure. • Controller error.	• Identify and replace the failed drive(s). The array should rebuild automatically if hot-spare is configured or manual rebuild is initiated. • Check controller logs for specific error codes.
Performance issues.	• Outdated firmware/drivers. • Incorrect RAID level for workload. • Overheating.	• Update controller firmware and drivers. • Review RAID configuration. • Ensure adequate server cooling.

6. SPECIFICATIONS

The following are key specifications for the HP Smart Array P600 controller:

- **Brand:** Hewlett Packard

- **Model Number:** 337972-B21
- **Hardware Interface:** PCI-X, SAS
- **Product Dimensions:** 18.5 x 7.5 x 3 inches
- **Item Weight:** 2 pounds
- **Compatible Devices:** Desktop (Servers)
- **National Stock Number:** 7025-01-549-2913
- **Date First Available:** February 15, 2006
- **Manufacturer:** Hewlett Packard (Consumables)
- **Language:** English
- **Battery Backup:** 3.6V Ni-MH Battery Pack (HP Spares# 307132-001, HP Part# 274779-001)
- **Cache Memory:** 256MB SDRAM

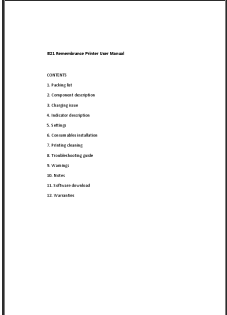
7. SUPPORT AND WARRANTY

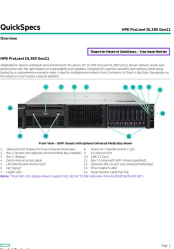
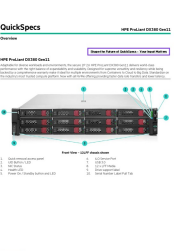
For technical assistance, driver downloads, firmware updates, and additional product information, please visit the official HP support website. While specific warranty details for this product may vary based on purchase date and region, HP typically provides support resources for its enterprise hardware.

- **HP Official Store:** For product information and related accessories, visit the [HP Store on Amazon](#).
- **General HP Support:** For comprehensive support resources, including documentation and troubleshooting guides, please refer to the main HP support portal (search for "HP Support" online).
- **Return Policy:** The buybox winner indicates a 30-day refund/replacement return policy. Please verify with your seller for specific return terms.

© 2004 Hewlett-Packard Development Company, L.P. All rights reserved. This manual is for informational purposes only.

Related Documents - 337972-B21

	HPE LTO Hewlett Packard Enterprise (HPE) LTO-7, LTO-8, LTO-9
	B21 Remembrance Printer User Manual - Comprehensive Guide User manual for the B21 Remembrance Printer, covering packing list, component description, charging, indicator lights, settings, consumables installation, cleaning, troubleshooting, warnings, software download, and warranties.

 HPE ProLiant ML350 Gen11 システム構成図	HPE ProLiant ML350 Gen11 System Configuration Diagram This document provides a detailed system configuration diagram for the HPE ProLiant ML350 Gen11 server, outlining various components, processor options, memory configurations, and storage bay details. It includes specifications for LFF and SFF models, processor types (Intel Xeon Scalable), and memory types (RDIMM, 3DS RDIMM).
 QuickSpecs HPE ProLiant DL380 Gen11	HPE ProLiant DL380 Gen11 QuickSpecs Explore the HPE ProLiant DL380 Gen11, a versatile and scalable 2P 2U server designed for diverse workloads and environments. Discover its features, configurations, and specifications for optimal performance and reliability.
 QuickSpecs HPE ProLiant DX380 Gen11	HPE ProLiant DX380 Gen11 Server - QuickSpecs and Technical Specifications Detailed overview, standard and optional features, configuration options, service and support, and technical specifications for the HPE ProLiant DX380 Gen11 server. Includes processor, memory, storage, power, and networking details.
 HPE サーバー製品 ラック オプション編 システム構成図	HPE Hewlett Packard Enterprise (HPE) Advanced G2 PDU UPS KVM

QuickSpecs

Overview

The HP StorageWorks Modular Smart Array (MSA) 1000 Series (part number 838284) data drive enclosure supporting 10 SAS or SATA drives, 12 SAS or SATA drives, and 16 SAS or SATA drives. The enclosure features industry standard data performance, availability, storage density, and configurability. It meets customer demand for growing storage needs. The low cost of the enclosure is designed to support the most cost-effective drive choice (SAS or SATA), and the enclosure is designed to support the most cost-effective controller choice (MSA or HBA).

MSA1000 enclosures support direct attach storage to SAS and SATA and are highly scalable. The MSA1000 supports the standard 160GB and 300GB SAS drives and a maximum of 20 150GB SATA drives. The MSA1000 is designed to be a single controller unit. This single controller can incorporate four lanes for a total maximum throughput of 12GB/s for SAS.

The diagram shows a front view of the MSA1000 enclosure. It has a vertical orientation with a top section for controller ports and a larger section for drive bays. The drive bays are numbered 1 through 16. The controller ports are numbered 1 through 4. The enclosure is labeled 'HP StorageWorks' and 'MSA1000'.

- 1. Expansion and hot/planned future secured I/O
- 2. Fan
- 3. Hot plug power supply
- 4. Hot plug power supply
- 5. I/O module
- 6. Power control LED
- 7. I/O module and fan
- 8. Hot plug SAS or SATA hard drive bays
- 9. Access panel

Models

The MSA1000 design allows for the mix of SAS and SATA drives in the same enclosure at the same time and is tailored to the needs of HP server customers who require optimized performance per unit of rack space.

Model MSA1000

HP StorageWorks Modular Smart Array (MSA) 1000 Series (NA, ME, APAC)

10 SAS or SATA drives with single 120 mm drive bays

reformat to 10 SAS or SATA drives with single 120 mm drive bays

10 SAS or SATA drives with single 120 mm drive bays

12 SAS or SATA drives with single 120 mm drive bays

16 SAS or SATA drives with single 120 mm drive bays

NOTE: For complete configurability and details, see the Specifications section of the Enclosures MSA1000 performance page at www.hp.com/go/MSA1000

HP StorageWorks Modular Smart Array 50 Enclosure Product Bulletin QuickSpec © 2005 Desktop
Assistance LP All Rights Reserved Hewlett Packard Network Router MSA50 User Guide 359b6b54 159b
4be6 b84a 4db0551dd910 archive org manualsonline id
QuickSpecs Overview HP StorageWorks Modular Smart Array 50 Enclosure The HP
StorageWorks Modular S ... rt Array P800 Controller /512 BBWC Controller 381513-
B21 HP Smart Array P600/256 BBWC Controller **337972-B21** Smart Array E500
controller 435129-B21 512MB DDR BBWC Upgrade P600 Controller 37253...
lang:en score:34 filesize: 84.69 K page count: 9 document date: 2007-05-24

SmartSetup Scripting Toolkitデプロイメントガイド

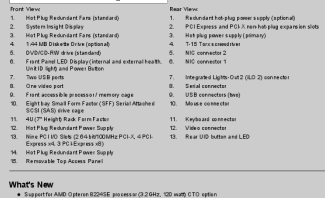
HP
COMPUTERS

製品番号：H02-0911
2007年12月

©Copyright 2007 Hewlett-Packard Development Company, L.P.

HP ProLiant DL585 Generation 2

Overview



What's New

- Support for AMD Opteron 822HE processor (3.2GHz, 130 watt) CTO option



DA - 12575 U.S. GuidSpecs — Version 28 — 11/27/2007

Page

HP StorageWorks Modular Smart Array 500 Enclosure

Overview

The HP StorageWorks 50 Modular Smart Array (MSA50) Enclosure is a 1U Serial ATA/SAS disk drive storage enclosure supporting 32 Serial ATA or 32 Serial ATA/SAS drives. This enclosure delivers industry-leading data performance, availability, storage density, and upgradability to meet customers' demanding and growing storage needs. The all non-SFF drive carrier is designed to support the new Universal form factor hard drive in either SAS or SATA. The new form factor provides optimized performance in U or S mode while delivering up to 40% power consumption savings and 40% more capacity per inch of drive length through its 9.5-inch and 12-inch form factors. The enclosure provides cascading shelves in a 14U configuration to allow a maximum of 256 drives in a 2U configuration attached to a single controller port. This single controller port incorporates four lanes for a total mass throughput of 120MB/s.



Models

MOVERS

The MS400 design allows for the mix of SAS and SATA drives in the same enclosure at the same time and is tailored to the needs of HP server customers who require optimized performance for I/O task space.

Model MS400 HP StorageWorks 1024U Modular Smart Array Enclosure 394402-B21

NOTE: Rack-mountable 1024U SFF drive enclosures with single I/O module, redundant hot plug power supplies and hot-plug bay.

NOTE: For complete compatibility information, refer to the Specifications section of the document. SAS/SATA performance requires a compatible SAS controller. This is noted in the product documentation.



DA-12246 U.S. QuickSpecs — Version 15 — 10/26/2007

Page

HP 50 Modular Smart Array Enclosure

Overview

The HP S5000-series SmartStart (P4500) Enclosure is a 1U Serial-Attached SCSI (SAS) disk drive enclosure supporting Small Form-Factor (SFF) or Serial ATA (SATA) drives. This enclosure delivers in-disk-leading data performance, scalability, storage density, and upgradability to meet customer demanding and growing storage needs. The all-new SFF drive carrier is designed to support the new Universal form factor hard drive as either SAS or SATA. This new form factor provides optimized performance per unit space while delivering unparalleled power consumption. The 10 SAS enclosure supports disk drives that offer up to 100 Product use life expectancy. The 10 SAS supports the mounting of drives in a 1:1 configuration to allow a maximum of 20 SFF drives in a 10-bay enclosure attached to a single controller. This single controller port configuration has four lanes for a total raw throughput of 12.0Gb/s for SAS.



D6 - 12265 Weldable - Series 26 - Page 8 of 10

For

SmartSetup Scripting Toolkit

Hewlett Packard 5992 0955 j ftp hewlett packard pub jp proliant lib

products servers manuals |||

SmartSetup Scripting Toolkit 5992-0955 200712, Copyright 2007 Hewlett-Packard Development Company, ... mart5302 Smart5304 Smart6402 Smart6404 P600 P400 P800 E500 P400/SB40C A9825A A9826A A9890A A9891A **337972-B21** 05132-B21 AD335A AH226A EmulexQLogic A.3. QLogic QLogic 4GB 1P QLA2460 QLogic 4GB

lang:i-klinton **score:30** filesize: 1.93 M page_count: 121 document date: 2007-11-07

HP ProLiant DL585 Generation 2 QuickSpec Product Bulletin © 2007 Hewlett Packard Development

Company L P Server User Guide 8e842e8b c5b4 4490 9173 049d69713dbd archive org manualsonline id

QuickSpecs Overview HP ProLiant DL585 Generation 2 Front View: 1. Hot Plug Redundant Fans standar ... BBWC Controller HP 8 Internal Port SAS HBA with RAID HP Smart Array 6404/512 FIO CNTRLR 381513-B21 **337972-B21** 432103-B21 405132-B21 411064-B21 347786-B21 452240-B21 Optical Drives Slimline CD-RW/DV...

lang:en score:29 filesize: 1.11 M page_count: 45 document date: 2007-12-12

Provided by ManualsAndMore Download User Manual HP STORAGEWORKS MSA50 Quickspecs

manualseandmore |||

QuickSpecs Overview HP StorageWorks Modular Smart Array 50 Enclosure The HP StorageWorks 50 Modula ... rt Array P800 Controller /512 BBWC Controller 381513-B21 HP Smart Array P600/256 BBWC Controller **337972-B21** Smart Array E500 controller 435129-B21 512MB DDR BBWC Upgrade P600 Controller 37253...

lang:en score:29 filesize: 179.92 K page_count: 10 document date: 2019-07-23

Provided by ManualsAndMore Download User Manual HP 50 Quickspecs manualsandmore |||

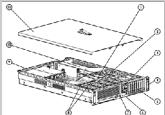
QuickSpecs Overview HP 50 Modular Smart Array Enclosure The HP 50 Modular Smart Array MSA50 Encl ... rt Array P800 Controller /512 BBWC Controller 381513-B21 HP Smart Array P600/256 BBWC Controller **337972-B21** Smart Array E500 controller 435129-B21 512MB DDR BBWC Upgrade P600 Controller 37253...

lang:en score:28 filesize: 160.25 K page count: 12 document date: 2019-07-23

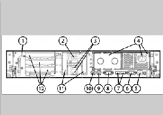
QuickSpecs

HP ProLiant DL380 Generation 5

Overview



- Front View:**
1. Eight sockets for PC2-5300 Fully Buffered DIMMs (DDR2-667)
 2. Hot-plug bays, hot-swappable
 3. System Inlet Display
 4. Quick release lever for rapid server access
 5. Support for eight Serial ATA or four hot-plug hard drive bays
 6. Front LEDs (to show server status) and Unit Identification Label (ID) (for easy in-rack server identification)
 7. Two front USB ports (2 rear USB ports, 1 internal USB port)
 8. Intel Xeon Processor (Performance models include two processors)
 9. Hot-plug power supply, redundancy option (high performance models include redundant power supply)
 10. Three full-size PCI-E expansion slots, or standard expansion cage for 12 half-size PCI-E expansion slots. Two additional low-profile PCI-E slots embedded in the system board. Four slots available for use, one consumed by Smart Array controller (SAS and Performance models)
 11. Quick removal access panel



- Rear View:**
1. Two service tool
 2. Optional pass-through cable door
 3. Two Embedded PCI Express Adapters (Optional) Server Adapters with TCP/IP Offload Engine
 4. Hot-plug power supply bay, redundancy option (High performance models include redundant power supply)
 5. Integrated Lights-Out 2 (iLO 2) Remote management port
 6. Video Port
 7. Two USB 2.0 Ports
 8. Serial Port
 9. Keyboard Port
 10. Mouse PCI Port
 11. Two low-profile PCI Express slots. Slot 1 is consumed by the PCI Serial ATA controller. (SAS and Performance models)
 12. Three full-size PCI-E expansion slots in standard cage (or optional raised PCI-E expansion cage)

What's New

- New Intel® Xeon® Dual-core E5500 series processors

[pdf] Specifications Guide

HP ProLiant DL380 Generation 5 QuickSpec Product Bulletin © 2007 Hewlett Packard Development

Company L P Network Card User Guide d0db4811 af76 4715 bec4 6200a67c42a3 archive org

manualsonline id

QuickSpecs Overview HP ProLiant DL380 Generation 5 Front View: 1. Eight sockets

for PC2-5300 Fully ... 00/256 BBWC Controller NOTE: PCI-X. SA-P600 Controller

supports both internal and external drives. **337972-B21** HP Smart Array E200/64 FIO

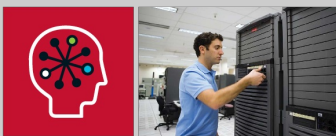
Controller 405528-B21 HP Smart Array 6402/512 FIO Controlle...

lang:en **score:28** filesize: 1.04 M page_count: 45 document date: 2008-01-23



DA - 1247 Worldwide QuickSpecs — Version 22 — 1.22.2008

Page 1



HP ProLiant DL580 第五代(G5)服务器

HP ProLiant DL580 G5 服务器是一款性能出色的四路处理器的机架式服务器。具有极高的性能和高可用性。采用了全新的设计，使得它能够提供非常卓越的性能和可扩展性。机架密度为 4U，是全新的企业级服务器。

主要特性

- 服务器“引擎”4U 高密度机架设计，340W 的服务器功耗
- 4U 高密度机架式设计
- 4U 高密度机架式设计，支持 4U 的服务器
- 4U 高密度机架式设计，支持 4U 的服务器

应用环境

- 适用于需要高性能和可扩展性的企业级应用，如数据库、ERP、CRM、SCM 等
- 适用于需要高性能和可扩展性的企业级应用，如数据库、ERP、CRM、SCM 等

规格

- 处理器：支持 Intel® Xeon® 处理器，最高支持 4 核，最高支持 30MB 缓存
- 内存：支持 DDR2-667 内存，最高支持 32GB
- 硬盘：支持 SATA 硬盘，最高支持 16 个 3.5 英寸 SATA 硬盘

选项

- 可选 4U 高密度机架式设计，支持 4U 的服务器
- 可选 4U 高密度机架式设计，支持 4U 的服务器

[pdf]

3001 0800583 qxd Page 1 D87FA670C620C1203DB53687B2E1E927 manuallib manuals |||

HP ProLiant DL580 G5 3 X8 PCI-E 3 64 HP ProLiant DL580 G5 133MHz PCI-X USB

2.0 ... 431958-B21 418367-B21 431786-B21 379306-B21 405132-B21 411064-B21

405148-B21 383280-B21 417836-B21 **337972-B21** 381513-B21 416096-B21 347786-

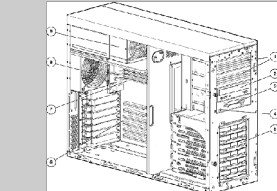
B21 351580-B21 374654-B21 434905-B21 412648-B21 394793-B21 3...

lang:de **score:28** filesize: 507.43 K page_count: 8 document date: 2008-04-24

QuickSpecs

HP ProLiant ML350 Generation 4p

Overview



- Front View:**
1. Two Available Removable Media Bays
 2. 48X M ... HP 36GB 3G SAS 15K 3.5 SP HDD 393684-B21
 3. 48X M ... HP 36GB 3G SAS 15K 3.5 SP HDD 393684-B21
 4. USB Port
 5. Six Hot-plug Drive Bays
 6. Six Expansion Slots (Four PCI-X, Two PCI Express)
 7. Six DIMM sockets (up to 12 GB of DDR2 memory)
 8. System Fan (An optional redundant system fan is available)
 9. Power Supply
 10. An optional 2nd power supply is available for hot-plug to 1 redundant

What's New

- The HP ProLiant ML350 G4p now supports several existing new options:
- New Serial Attached SCSI (SAS) and SATA hard drives
- Support for up to 4GB of external storage with the new T200B SATA HDD

[pdf] Specifications Guide

HP ProLiant ML350 Generation 4p QuickSpec Product Bulletin © 2006 Hewlett Packard Development

Company L P Network Card User Guide 4f8b36eb de0d 4ddd addf 44893a0e7169 archive org

manualsonline id

QuickSpecs Overview HP ProLiant ML350 Generation 4p 1. Two Available

Removable Media Bays 2. 48X M ... HP 36GB 3G SAS 15K 3.5 SP HDD 393684-B21

291966-B21 291967-B21 273915-B21 273914-B21 374654-B21 **337972-B21** 350964-

B22 286716-B22 286714-B22 411089-B22 347708-B22 286778-B22 286776-B22

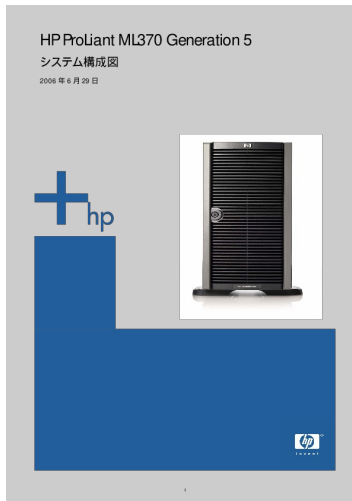
432341-B21 3...

lang:en **score:26** filesize: 1.07 M page_count: 46 document date: 2007-03-14



DA - 1250 Worldwide QuickSpecs — Version 20 — 1.14.2008

Page 1

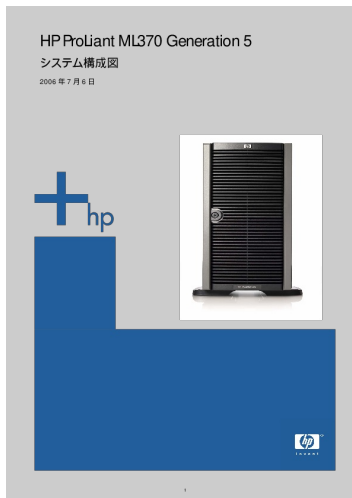


[\[pdf\]](#)

Hewlett Packard TakahasYumi ml370g5 060629sys ftp hewlett packard pub jp proliant products servers system |||

HP ProLiant ML370 Generation 5 2006 6 29 1 OVERVIEW ProLiant ML370 G5 ProLiant ML370 Generat ... /cats030329_01.html 2.5 SAS H 2.5 SATA H 7 ProLiant ML370 Generation 5 PCI-X Smart P600 **337972-B21** 92,000 96,600 SAS/SATA x4 SAS 2 1/1x4SAS 2 8 64/133MHz PCI-X 256MB / RAID 01...

lang:de **score:19** filesize: 542.67 K page_count: 21 document date: 2006-06-29

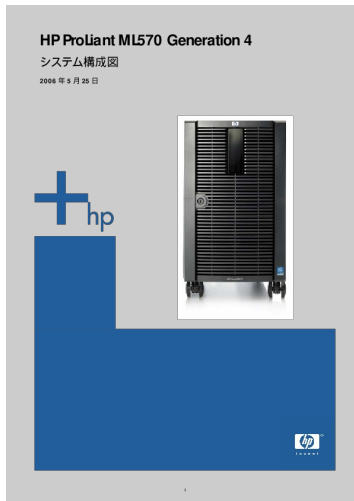


[\[pdf\]](#)

Hewlett Packard TakahasYumi ml370g5 060706sys ftp hewlett packard pub jp proliant products servers system |||

HP ProLiant ML370 Generation 5 2006 7 6 1 OVERVIEW ProLiant ML370 G5 ProLiant ML370 Generati ... /cats030329_01.html 2.5 SAS H 2.5 SATA H 7 ProLiant ML370 Generation 5 PCI-X Smart P600 **337972-B21** 92,000 96,600 SAS/SATA x4 SAS 2 1/1x4SAS 2 8 64/133MHz PCI-X 256MB / RAID 01...

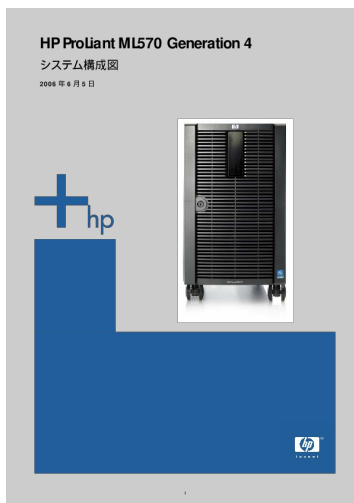
lang:de **score:19** filesize: 542.67 K page_count: 21 document date: 2006-07-06



[pdf]

Hewlett Packard kashiwag ml570g4 060525sys ftp hewlett packard pub jp proliant products servers system |||

HP ProLiant ML570 Generation 4 2006 5 25 1 OVERVIEW ProLiant ML570 G4 ProLiant ML570 Generat ... P/4C SAS/SATA x4 SAS 2 2 PCI Express x8 512MB / RAID 6 ADG SAS SFF 18 PCI-X Smart P600 **337972-B21** 100,000 105,000 SAS/SATA x4 SAS 2 1/1 x4 SAS 64 /133MHz PCI-X 256MB / RAID 6... lang:en score:19 filesize: 401 K page_count: 20 document date: 2006-05-25



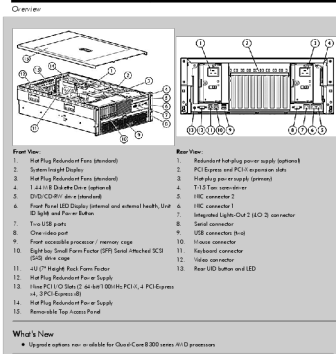
[pdf]

Hewlett Packard kashiwag ml570g4 060605sys ftp hewlett packard pub jp proliant products servers system |||

HP ProLiant ML570 Generation 4 2006 6 5 1 OVERVIEW ProLiant ML570 G4 ProLiant ML570 Generati ... P/4C SAS/SATA x4 SAS 2 2 PCI Express x8 512MB / RAID 6 ADG SAS SFF 18 PCI-X Smart P600 **337972-B21** 100,000 105,000 SAS/SATA x4 SAS 2 1/1 x4 SAS 64 /133MHz PCI-X 256MB / RAID 6... lang:en score:19 filesize: 400.87 K page_count: 20 document date: 2006-06-05

QuickSpecs

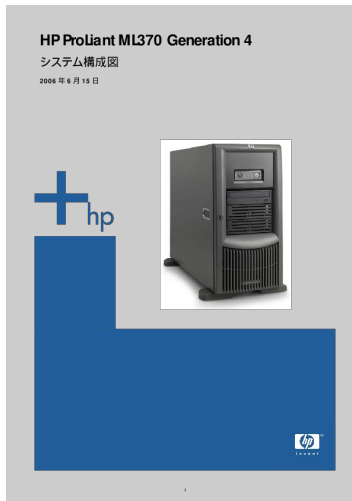
HP ProLiant DL585 Generation 2 (G2)



[pdf] User Manual Specifications

HP ProLiant DL585 Generation 2 G2 Product Bulletin QuickSpec 2007 Desktop Assistance LP All Rights Reserved Compaq user manual 412270 archive org manualsbase id

QuickSpecs Overview HP ProLiant DL585 Generation 2 G2 Front View: Rear View: 1. Hot Plug Redun ... BBWC Controller HP 8 Internal Port SAS HBA with RAID HP Smart Array 6404/512 FIO CNTRLR 381513-B21 **337972-B21** 432103-B21 405132-B21 411064-B21 347786-B21 452240-B21 Optical Drives NOTE: Optical dri... lang:en score:19 filesize: 1.11 M page_count: 46 document date: 2008-05-27

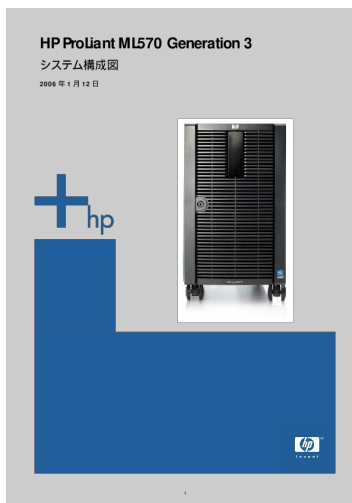


[\[pdf\]](#)

Hewlett Packard TakahasYumi ml370g4 060615sys ftp hewlett packard pub jp proliant products servers system |||

HP ProLiant ML370 Generation 4 2006 6 15 1 OVERVIEW ProLiant ML370 SCSI ProLiant ML370 Gen ... ltra320 SCSI SCSI SCSI SCSI SCSI 9 ProLiant ML370 Generation 4 SAS PCI-X Smart P600 **337972-B21** 92,000 96,600 SAS SAS/SATA x4 SAS 2 1/1x4SAS 64/133MHz PCI-X 256MB / RAID 6 AD...

lang:nl **score:18** filesize: 447.96 K page_count: 24 document date: 2006-06-15

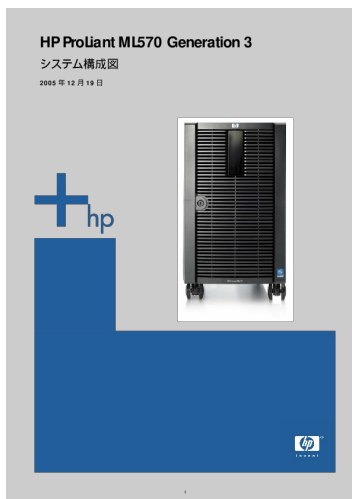


[\[pdf\]](#)

Hewlett Packard kashiwag ml570g3 060112sys ftp hewlett packard pub jp proliant products servers system |||

HP ProLiant ML570 Generation 3 2006 1 12 1 OVERVIEW ProLiant ML570 SCSI ProLiant ML570 Gen ... SCSI Ultra320 SCSI 268351-B21 11 ProLiant ML570 Generation 3 SAS PCI-X Smart P600 **337972-B21** 120,000 126,000 SAS SAS/SATA x4 SAS 2 1/1x4SAS 64/133MHz PCI-X 256MB / SFF 1...

lang:nl **score:18** filesize: 566.01 K page_count: 27 document date: 2006-01-11

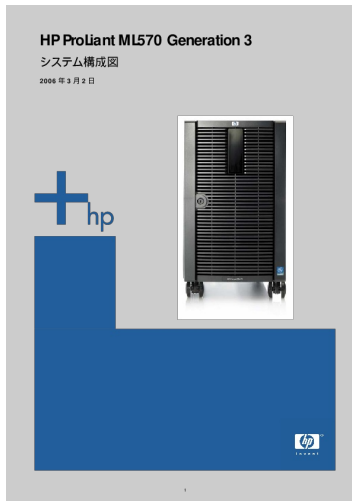


[\[pdf\]](#)

Hewlett Packard kashiwag ml570g3 051219sys ftp hewlett packard pub jp proliant products servers system |||

HP ProLiant ML570 Generation 3 2005 12 19 1 OVERVIEW ProLiant ML570 SCSI ProLiant ML570 Ge ... SCSI Ultra320 SCSI 268351-B21 11 ProLiant ML570 Generation 3 SAS PCI-X Smart P600 **337972-B21** 120,000 126,000 SAS SAS/SATA x4 SAS 2 1/1x4SAS 64/133MHz PCI-X 256MB / SFF 1...

lang:nl **score:18** filesize: 566.19 K page_count: 27 document date: 2005-12-19



[\[pdf\]](#)

Hewlett Packard kashiwag ml570g3 060302sys ftp hewlett packard pub jp proliant products servers system |||

HP ProLiant ML570 Generation 3 2006 3 2 1 OVERVIEW ProLiant ML570 SCSI ProLiant ML570 Gene ... SCSI Ultra320 SCSI 268351-B21 11 ProLiant ML570 Generation 3 SAS PCI-X Smart P600 **337972-B21** 120,000 126,000 SAS SAS/SATA x4 SAS 2 1/1x4SAS 64/133MHz PCI-X 256MB / SFF 1...

lang:nl score:18 filesize: 564.41 K page_count: 27 document date: 2006-03-02

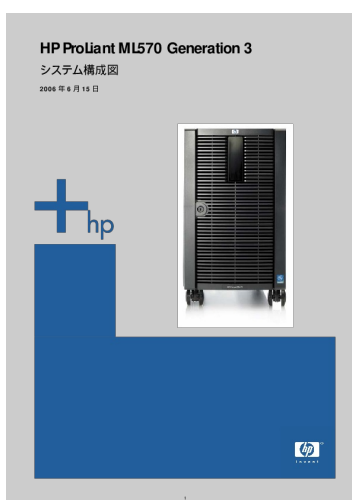


[\[pdf\]](#)

Hewlett Packard kashiwag ml570g3 050825sys ftp hewlett packard pub jp proliant products servers system |||

HP ProLiant ML570 Generation 3 2005 8 25 1 OVERVIEW ProLiant ML570 X2830, X3000, X3160, X3330 ... SCSI 268351-B21 11 ProLiant ML570 X2830,X3000,X3160,X3330,X3660 SAS PCI-X Smart P600 **337972-B21** 120,000 126,000 SAS SAS/SATA x4 SAS 2 1/1x4SAS 64/133MHz PCI-X 256MB / SFF 1...

lang:nl score:18 filesize: 562.91 K page_count: 28 document date: 2005-08-25

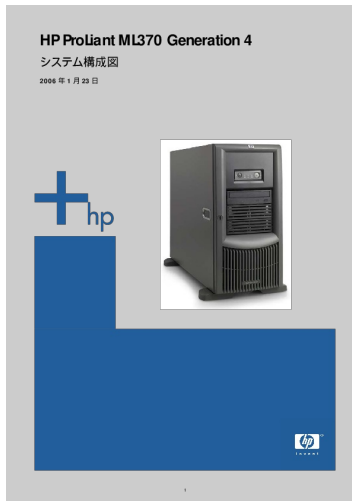


[\[pdf\]](#)

Hewlett Packard kashiwag ml570g3 060615sys ftp hewlett packard pub jp proliant products servers system |||

HP ProLiant ML570 Generation 3 2006 6 15 1 OVERVIEW ProLiant ML570 SCSI ProLiant ML570 Gen ... a320 SCSI SCSI SCSI SCSI SCSI 11 ProLiant ML570 Generation 3 SAS PCI-X Smart P600 **337972-B21** 92,000 96,600 SAS SAS/SATA x4 SAS 2 1/1x4SAS 64/133MHz PCI-X 256MB / SFF 18 ...

lang:nl score:18 filesize: 561.9 K page_count: 27 document date: 2006-06-15

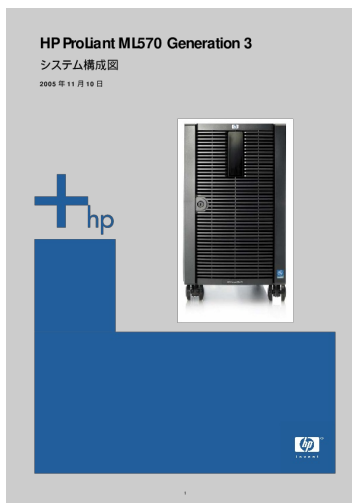


[\[pdf\]](#)

Hewlett Packard TakahasYumi ml370g4 060123sys ftp hewlett packard pub jp proliant products servers system |||

HP ProLiant ML370 Generation 4 2006 1 23 1 OVERVIEW ProLiant ML370 SCSI ProLiant ML370 Gen ... Ultra320 SCSI 268351-B21 SCSI SCSI 9 ProLiant ML370 Generation 4 SAS PCI-X Smart P600 **337972-B21** 120,000 126,000 SAS SAS/SATA x4 SAS 2 1/1x4SAS 64/133MHz PCI-X 256MB / RAID AD...

lang:nl score:18 filesize: 459.46 K page_count: 25 document date: 2006-01-20

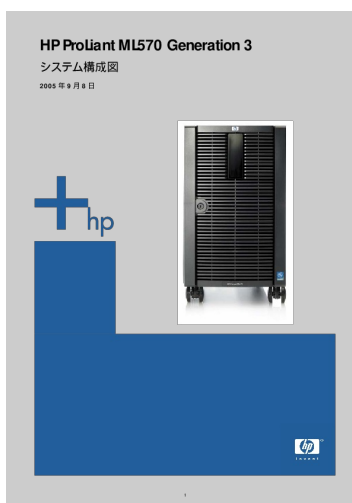


[\[pdf\]](#)

Hewlett Packard kashiwag ml570g3 051110sys ftp hewlett packard pub jp proliant products servers system |||

HP ProLiant ML570 Generation 3 2005 11 10 1 OVERVIEW ProLiant ML570 SCSI ProLiant ML570 Ge ... SCSI Ultra320 SCSI 268351-B21 11 ProLiant ML570 Generation 3 SAS PCI-X Smart P600 **337972-B21** 120,000 126,000 SAS SAS/SATA x4 SAS 2 1/1x4SAS 64/133MHz PCI-X 256MB / SFF 1...

lang:nl score:18 filesize: 567.6 K page_count: 27 document date: 2005-11-10

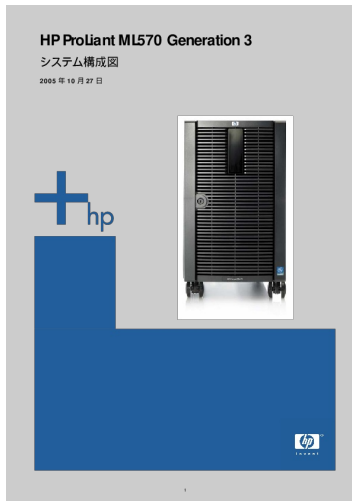


[\[pdf\]](#)

Hewlett Packard kashiwag ml570g3 050908sys ftp hewlett packard pub jp proliant products servers system |||

HP ProLiant ML570 Generation 3 2005 9 8 1 OVERVIEW ProLiant ML570 SCSI ProLiant ML570 X300 ... ra320 SCSI 268351-B21 11 ProLiant ML570 X3000,X3160,X3330,X3660 SAS PCI-X Smart P600 **337972-B21** 120,000 126,000 SAS SAS/SATA x4 SAS 2 1/1x4SAS 64/133MHz PCI-X 256MB / SFF 1...

lang:nl score:18 filesize: 566.32 K page_count: 28 document date: 2005-09-07

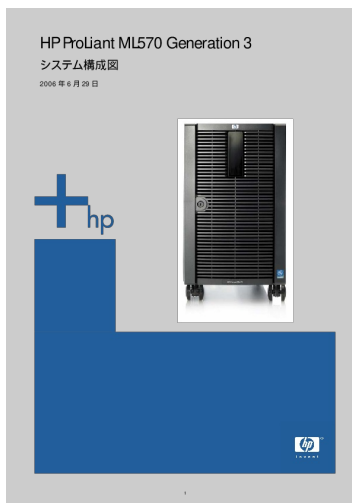


[\[pdf\]](#)

Hewlett Packard kashiwag ml570g3 051027sys ftp hewlett packard pub jp proliant products servers system |||

HP ProLiant ML570 Generation 3 2005 10 27 1 OVERVIEW ProLiant ML570 SCSI ProLiant ML570 Ge ... SCSI Ultra320 SCSI 268351-B21 11 ProLiant ML570 Generation 3 SAS PCI-X Smart P600 **337972-B21** 120,000 126,000 SAS SAS/SATA x4 SAS 2 1/1x4SAS 64/133MHz PCI-X 256MB / SFF 1...

lang:nl score:18 filesize: 564.95 K page_count: 28 document date: 2005-10-27

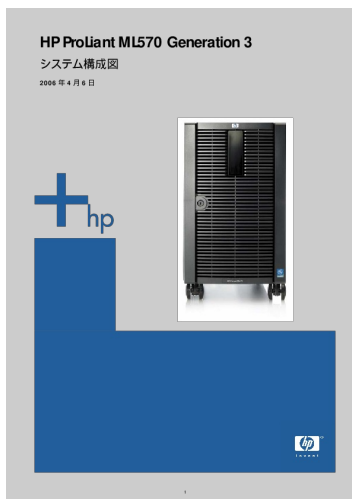


[\[pdf\]](#)

Hewlett Packard kashiwag ml570g3 060629sys ftp hewlett packard pub jp proliant products servers system |||

HP ProLiant ML570 Generation 3 2006 6 29 1 OVERVIEW ProLiant ML570 SCSI ProLiant ML570 Gen ... a320 SCSI SCSI SCSI SCSI SCSI 11 ProLiant ML570 Generation 3 SAS PCI-X Smart P600 **337972-B21** 92,000 96,600 SAS SAS/SATA x4 SAS 2 1/1x4SAS 64/133MHz PCI-X 256MB / SFF 18 ...

lang:nl score:18 filesize: 561.83 K page_count: 27 document date: 2006-06-29



[\[pdf\]](#)

Hewlett Packard kashiwag ml570g3 060406sys ftp hewlett packard pub jp proliant products servers system |||

HP ProLiant ML570 Generation 3 2006 4 6 1 OVERVIEW ProLiant ML570 SCSI ProLiant ML570 Gene ... SCSI Ultra320 SCSI 268351-B21 11 ProLiant ML570 Generation 3 SAS PCI-X Smart P600 **337972-B21** 100,000 105,000 SAS SAS/SATA x4 SAS 2 1/1x4SAS 64/133MHz PCI-X 256MB / SFF 1...

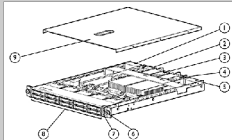
lang:nl score:18 filesize: 564.09 K page_count: 27 document date: 2006-04-06

QuickSpecs

HP 50 Modular Smart Array Enclosure

Overview

The HP 50 Modular Smart Array Enclosure is a 1U Serial-Attached SCSI (SAS) disk drive enclosure supporting Small Form-Factor (SFF) SAS or Serial ATA (SATA) drives. The enclosure addresses industry-leading data performance, availability, energy efficiency, and upgradability to meet customer demanding and growing storage needs. The all-in-one SFF drive carrier is designed for easy installation. The front bezel houses the drive door and offers SAS or SATA. This carrier has been proven to deliver performance per U of space that delivers exceptional power consumption. The 1U SAS enclosure supports direct attach storage to HP ProLiant and Blade Servers. The 1U SAS supports the mounting of drives up to 15W, independent to allow a maximum of 120W drives in 20 configurations (limited by a single controller port). This single controller port incorporates four lanes for a total raw throughput of 120MB/s for SAS.



1. Expansion slot for optional future second I/O
2. Fan
3. Hot-plug power supply
4. Hot-plug power supply
5. I/O module
6. Power button/LED
7. LED button/LED
8. Hot-plug SAS or SATA hard drive bay
9. Access panel

[pdf] Specifications

HP 50 Modular Smart Array Enclosure Product Bulletin QuickSpec 2007 Desktop Assistance LP All Rights

Reserved 54B72B5C B17C 4EAB BEAA 2B1D5E225407 vtoc se |||

QuickSpecs Overview HP 50 Modular Smart Array Enclosure The HP 50 Modular Smart Array MSA50 Encl ... rt Array P800 Controller /512 BBWC Controller 381513-

B21 HP Smart Array P600/256 BBWC Controller **337972-B21** Smart Array E500 controller 435129-B21 512MB DDR BBWC Upgrade P600 Controller 37253...

lang:en **score:18** filesize: 244.44 K page_count: 12 document date: 2011-06-08



DA-12248 Worldwide Version 26 June 8, 2011

Page 1

HP ProLiant ML570 Generation 3

システム構成図

2006年7月6日



[pdf]

Hewlett Packard kashiwag ml570g3 060706sys ftp hewlett packard pub jp proliant products servers system |||

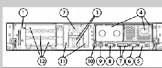
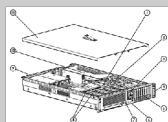
HP ProLiant ML570 Generation 3 2006 7 6 1 OVERVIEW ProLiant ML570 SCSI ProLiant ML570 Gene ... a320 SCSI SCSI SCSI SCSI SCSI 11 ProLiant ML570 Generation 3 SAS PCI-X Smart P600 **337972-B21** 92,000 96,600 SAS SAS/SATA x4 SAS 2 1/1x4SAS 64/133MHz PCI-X 256MB / SFF 18 ...

lang:nl **score:18** filesize: 567 K page_count: 28 document date: 2006-07-06

QuickSpecs

HP ProLiant DL380 Generation 5

Overview



Front View:

1. Eight sockets for PCI-Express Fully Buffered DIMM (FB-DIMM)
2. Hot-plug fans, full redundancy
3. Systems height 2U
4. Quick-release lever for rapid server access
5. Support for eight Small Form Factor hot-plug hard drives
6. Front LEDs (show server status) and Unit Identification buttons (LEDs show on-line server identification)
7. Two front USB ports (2 rear USB ports, 1 internal USB port)
8. Intel Core Processor (Performance models include two processors)
9. Hot-plug power supply, redundancy option (high performance models include redundant power supply)
10. Three full-size PCI-E expansion slots (redundant expansion cage (or optional mixed PCI-E/USB expansion cage). Two additional low-profile PCI-E slots embedded in the system board. Four slots available for use; one consumed by Smart Array controller (B21 and Performance models)
11. Quick removal access panel

Rear View:

1. Two service fans
2. Optional pass-through cable door
3. Two Embedded FC375 MultiFunction Gigabit Server Adapters with TCOFF Offload Engine
4. Hot-plug power supply bay, redundancy option (high performance models include redundant power supply)
5. Integrated Lights-Out 2 (LO2) Remote management port
6. Video Port
7. Two USB 2.0 Ports
8. Serial Port
9. Keyboard Port
10. Manual Reset Port
11. Two low-profile PCI Express slots. Slot 1 is consumed by the P400 Smart Array controller (Base and Performance models)
12. Three full-size PCI Express slots in standard cage (or optional mixed PCI-E/USB expansion cage)

What's New

- New Intel® Xeon® 5500 Dual-Core processor

At A Glance

The HP ProLiant DL380, the world's best-selling server, delivers on its history of design excellence with enterprise-class uptime and manageability, proven 2U architecture, flexible performance, and 2U density for a variety of real deployments and applications.

• Processors

• Dual-Core and Dual-Core Intel® Xeon® processors for blazing performance; systems support up to 2 processors



DA-12477 Worldwide QuickSpecs Version 60 9/23/2010

Page 1

[pdf] Specifications

HP ProLiant DL380 Generation 5 QuickSpec Product Bulletin © 2010 Hewlett Packard Development

Company L P G5 quickspecs data nag wiki NAG File Server |||

QuickSpecs Overview HP ProLiant DL380 Generation 5 Front View: Rear View: 1.

Eight sockets for P ... w/512 FIO Ctrlr HP Smart Array E200/64 FIO Controller

405160-B21 405162-B21 411508-B21 381513-B21 **337972-B21** 432103-B21 405528-B21 Step 2: Choose Required Options only one of the following from ea...

lang:en **score:18** filesize: 965.98 K page_count: 39 document date: 2011-07-11

Overview

The diagram illustrates the Intel Atom D525 Dual Core processor, showing its internal components and external connections. The processor is a square chip with various pins and connectors. The internal components are labeled with numbers 1 through 12, and the external connections are labeled with letters A through J.

Front View:

1. Eight pins for PCI-DSS only (Dedicated I/Os) (PCI-DSS)
2. High speed PCI Express
3. SuperSpeed Serial ATA
4. Quick release hole for rapid removal
5. Temperature sensor (Tjmax)
6. Integrated Intel® vPro™ for Intel® vPro™ based boards
7. Front LEDs (blue power status and green identification) status LEDs (The way to look more identification)
8. Jack for Intel vPro™ status identification
9. Jack for Intel vPro™ status USB pins
10. Identification USB pins
11. Intel Atom Processor (Performance mode includes two processors)
12. Intel Atom power supply, including system (high performance mode includes reduced power mode)

Back View:

1. Intel Atom power supply, including system (high performance mode includes reduced power mode)
2. Intel Atom power supply, including system (high performance mode includes reduced power mode)
3. Intel Atom power supply, including system (high performance mode includes reduced power mode)
4. Intel Atom power supply, including system (high performance mode includes reduced power mode)
5. Intel Atom power supply, including system (high performance mode includes reduced power mode)
6. Intel Atom power supply, including system (high performance mode includes reduced power mode)
7. Intel Atom power supply, including system (high performance mode includes reduced power mode)
8. Intel Atom power supply, including system (high performance mode includes reduced power mode)
9. Intel Atom power supply, including system (high performance mode includes reduced power mode)
10. Intel Atom power supply, including system (high performance mode includes reduced power mode)
11. Intel Atom power supply, including system (high performance mode includes reduced power mode)
12. Intel Atom power supply, including system (high performance mode includes reduced power mode)

Side View:

1. Intel Atom power supply, including system (high performance mode includes reduced power mode)
2. Intel Atom power supply, including system (high performance mode includes reduced power mode)
3. Intel Atom power supply, including system (high performance mode includes reduced power mode)
4. Intel Atom power supply, including system (high performance mode includes reduced power mode)
5. Intel Atom power supply, including system (high performance mode includes reduced power mode)
6. Intel Atom power supply, including system (high performance mode includes reduced power mode)
7. Intel Atom power supply, including system (high performance mode includes reduced power mode)
8. Intel Atom power supply, including system (high performance mode includes reduced power mode)
9. Intel Atom power supply, including system (high performance mode includes reduced power mode)
10. Intel Atom power supply, including system (high performance mode includes reduced power mode)
11. Intel Atom power supply, including system (high performance mode includes reduced power mode)
12. Intel Atom power supply, including system (high performance mode includes reduced power mode)

Bottom View:

1. Intel Atom power supply, including system (high performance mode includes reduced power mode)
2. Intel Atom power supply, including system (high performance mode includes reduced power mode)
3. Intel Atom power supply, including system (high performance mode includes reduced power mode)
4. Intel Atom power supply, including system (high performance mode includes reduced power mode)
5. Intel Atom power supply, including system (high performance mode includes reduced power mode)
6. Intel Atom power supply, including system (high performance mode includes reduced power mode)
7. Intel Atom power supply, including system (high performance mode includes reduced power mode)
8. Intel Atom power supply, including system (high performance mode includes reduced power mode)
9. Intel Atom power supply, including system (high performance mode includes reduced power mode)
10. Intel Atom power supply, including system (high performance mode includes reduced power mode)
11. Intel Atom power supply, including system (high performance mode includes reduced power mode)
12. Intel Atom power supply, including system (high performance mode includes reduced power mode)

External Connections:

- A. Intel Atom power supply, including system (high performance mode includes reduced power mode)
- B. Intel Atom power supply, including system (high performance mode includes reduced power mode)
- C. Intel Atom power supply, including system (high performance mode includes reduced power mode)
- D. Intel Atom power supply, including system (high performance mode includes reduced power mode)
- E. Intel Atom power supply, including system (high performance mode includes reduced power mode)
- F. Intel Atom power supply, including system (high performance mode includes reduced power mode)
- G. Intel Atom power supply, including system (high performance mode includes reduced power mode)
- H. Intel Atom power supply, including system (high performance mode includes reduced power mode)
- I. Intel Atom power supply, including system (high performance mode includes reduced power mode)
- J. Intel Atom power supply, including system (high performance mode includes reduced power mode)

Company L P 361413 community hpe hpeb attachments itrc 264 105272 1 ||

Eight sockets for P ... w/512 FIO Ctrlr HP Smart Array E200/64 FIO Controller

B21 Step 2: Choose Required Options only one of the following from ea...

lang:en score:17 filesize: 986.37 K page_count: 43 document date: 2010-08-25

[illegible]

Rights Reserved MSA60 uli ludwig de mediafiles Datenblaetter ||

StorageWorks 60 Modular Smart Ar ... 0, Superdome sx2000 only the version that

AH226A **337972-B21** AH303A DA - 12627 Worldwide -- Version 14 -- February 29,

2008 ...

lang:en score:17 filesize: 350.48 K page count: 14 document date: 2008-02-25

[illegible]

Rights Reserved Uli Ludwig337972 B21 Integrity Servers P800 controller AD335A E500 AH226A P600

256 BBWC ControllerHP MSA60uli ludwig de mediafiles Datenblaetter MSA60 srs/

AfmBOorsyqWS25EHVMyswyGdJ7WEvLktxINMrEmF54HZziwTYEAiFKe1 |||

QuickSpecs Overview HP StorageWorks 60 Modular Smart Array The HP

StorageWorks 60 Modular Smart Ar ... 0, Superdome sx2000 only the version that

support PCI-e cards . Part Number 381513-B21 435129-B21 **337972-B21** AD335A

AH226A **337972-B21** AH303A DA - 12627 Worldwide -- Version 14 -- February 29,

2008 ...

lang:en score:17 filesize: 350.48 K page_count: 14 document date: 2008-02-25

1. Removable Media Bay

2. 40, 80, or 160 GB IDE Hard Drive

3. Fan Hot Plug Drive Bay

4. Fan Expansion Slot (Two PCI-X, Two PCI Express)

5. Processor Socket (Intel® Pentium® D or Pentium® 4)

6. Four DIMM Slots for up to 8GB DDR2 memory

7. System Fan

8. 375W Power Supply

What's New

- Support for Dual Core Intel® Pentium® D Series processors with 2 x DIMM slots

[\[pdf\]](#) Specifications

HP ProLiant ML310 Generation 3 QuickSpec Product Bulletin © 2006 Hewlett Packard Development Company L P c00708568 h20195 www2 hp 80 V2

QuickSpecs Overview HP ProLiant ML310 Generation 3 1. Removable Media Bays 2. 48x IDE ATAPI CD-R ... cables required to support SATA drive configurations.

358700-B21 291966-B21 291967-B21 347786-B21 **337972-B21** 372953-B21 389653-B21 Step 4: Choose Additional Options for Factory Integration NOTE: Fo...

lang:en score:17 filesize: 848.42 K page_count: 35 document date: 2006-04-14

[illegible]

[\[pdf\]](#) Specifications

HP ProLiant DL360 Generation 5 QuickSpec Product Bulletin © 2012 Hewlett Packard Development

Company L P data nag wiki NAG File Server snr systems site files |||

QuickSpecs Overview HP ProLiant DL360 Generation 5 Front View: Rear View: 1.

Low-profile x8 PCI- ... 466440-B21 413015-B21 495604-B21 399548-B21 405102-B21 346914-B21 413741-B21 405139-B21 405148-B21 **337972-B21** 441508-B21

452240-B21 Step 3: Choose Additional Factory Integratable Options Performanc...
lang:en score:17 filesize: 955.11 K page_count: 45 document date: 2016-09-28

[illegible]

[\[pdf\]](#) Specifications

HP ProLiant DL585 Generation 5 QuickSpec Product Bulletin © 2010 Hewlett Packard Development

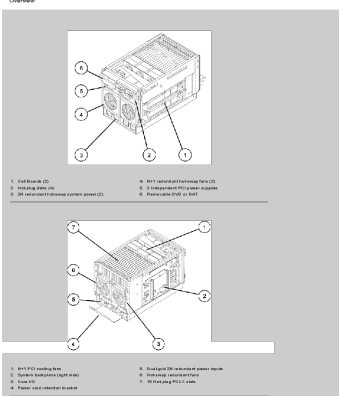
Company L P DL 585 G5 NTS Computers Proliant DL585G5 UK nts nl site html modules |||

QuickSpecs Overview HP ProLiant DL585 Generation 5 Front View: 1. Hot Plug Redundant Fans standar ... HBA HP 8 Internal Port SAS HBA with RAID NOTE:

Transfer rate 1.5 Gb/s SATA, 3Gb/s SAS. 381513-B21 **337972-B21** 405132-B21
411064-B21 462828-B21 462834-B21 462862-B21 462864-B21 462830-B21 462832-

B21 3...

lang:en score:17 filesize: 1.03 M page count: 34 document date: 2010-09-24



[pdf] Specifications

HP Integrity rx7640 Server QuickSpec Product Bulletin © 2010 Hewlett Packard Development Company L
P RX 7640 NTS Computers RX7640 UK nts nl site html modules |||

QuickSpecs Overview HP Integrity rx7640 Server 1. Cell Boards 2 2. Hot-plug disks 4
3. 2N redund ... martArrayPCle P800 SAS RAID controller HP PCIe SC44Ge SAS Host
Bus Adapter SmartArray E500 SAS HBA **337972-B21** 372538-B21 AD335A AH303A
AH226A SmartArray Internal RAID cables AB338A Operating Envir...

lang:en score:17 filesize: 1020.08 K page_count: 25 document date: 2010-09-24