

### Overview

#### Models

309816-B21  
309816-291

Compaq ProLiant Cluster Solutions provide high availability for applications and data in a business-critical environment. The Compaq ProLiant Cluster HA/F100 is a hardware and software solution designed for any customer installation with significant uptime requirements.

#### Introduction

Compaq ProLiant Cluster solutions provide high availability for applications and data in a business-critical environment. The Compaq ProLiant Cluster HA/F100 utilizes Compaq's industry-leading server products, Compaq Fibre Channel Storage, Ethernet interconnect and Compaq's leading installation and systems management utilities.

The Compaq ProLiant Cluster HA/F100 utilizes the industry-standard Microsoft® Cluster Server software for cluster operation and management.

Compaq provides a cluster kit, which contains the components that are required to connect two Compaq servers and Compaq Fibre Channel Storage systems together in a cluster. This cluster kit contains documentation and an interconnect cable.

#### Maximum Availability, Minimum Cost

Because they are built from industry-standard components, Compaq ProLiant Clusters deliver high levels of application availability at a much lower cost than traditional, proprietary cluster solutions. The Compaq ProLiant Cluster HA/F100 utilizes Compaq industry-leading servers, the fast and reliable Compaq Fibre Channel Storage System, cluster node interconnect options. Compaq installation and systems management software provide an integrated high-availability solution.

#### Investment Protection

Both existing and new Compaq servers are certified for Compaq ProLiant Cluster HA/F100 configurations. This means that customers can build clusters using existing servers, or by mixing old and new servers.

#### Integrated Solutions

As a secure application serves more customers, the AXL300 Accelerator PCI Card continues to alleviate the performance bottleneck caused by the compute-intense exponentiation. The AXL300 Accelerator PCI Card can support more than 300 SSL connections per second using 1024-bit RSA keys with today's standard Web servers. The Compaq AXL300 is also enabled with Chinese Remainder Theorem (CRT) and with MultiPrime, Compaq's patented extension to RSA public key cryptography. The product has been tested at more 600 SSL connections per second with CRT and will perform even faster against MultiPrime-enabled Web server applications.

Multiple AXL300 PCI cards scale linearly and ensure that the secure application server can grow with the needs of the business. The result is a much more cost-effective solution to alleviate the performance bottleneck of a secure application which in turn ensures that customers do not leave your Web site prematurely.

#### Sophisticated System Management

Compaq ProLiant Cluster HA/F100 configurations utilize Compaq SmartStart and Compaq Insight Manager software to enable rapid installation, configuration and deployment of clustered environments throughout the enterprise. Compaq SmartStart and Compaq Insight Manager are now "cluster enabled," allowing easy installation and sophisticated cluster and systems management, either locally or from remote locations. Compaq Cluster Verification Utility Software is used to verify the cluster configuration that is deployed.

### Components

<b>Servers</b>	<p>Most models of the ProLiant Servers are supported in a cluster. Some server mixes are also supported. Check <a href="http://www.compaq.com/highavailability/">http://www.compaq.com/highavailability/</a> for the latest list of supported servers and server combinations</p> <p><b>Note:</b> This Web site is available in English only.</p>						
<b>Supported ProLiant Servers:</b>	<p>1850 DL380 3000 ML530 5500 ML570 6400 DL580 6500 DL750 8500 CL1850 (Packaged Cluster) CL380 (Packaged Cluster)</p> <p>Additional information regarding ProLiant Servers may be found at: <a href="http://www.compaq.com/products/servers/platforms/">www.compaq.com/products/servers/platforms/</a> Additional information regarding ProLiant Packaged Clusters may be found at: <a href="http://www.compaq.com/solutions/enterprise/highavailability/">www.compaq.com/solutions/enterprise/highavailability/</a></p> <p><b>Note:</b> These Web sites are available in English only.</p>						
<b>Server to Server Interconnect</b>	<p>Compaq strongly recommends the use of a private network connection between cluster nodes. An Ethernet crossover cable is included in the Compaq ProLiant Cluster HA/F100 Kit for this purpose.</p>						
<b>Storage</b>	<p>Compaq ProLiant Cluster HA/F100 configurations have been certified with Compaq StorageWorks RAID Array 4000 and RAID Array 4100 Storage Systems (RA4000/RA4100), previously know as Fibre Channel Storage Systems, as shared storage. FC- AL switches, Compaq Fabric Switches, and hubs are supported as the server to storage interconnect; however, a maximum of nine RA4000 or RA4100 Storage Systems per cluster are supported using the FC-AL switch with the 3 port expansion or the 16 port fabric switch.</p>						
<b>Server-Storage Interconnect:</b>	<p>Fibre Channel Arbitrated Loop Hub (7 or 12 port) for RA4000/RA4100 storage Packaged Cluster Interconnect - internal SCSI bus</p> <p>Additional information regarding Fibre Channel Hubs may be found at: <a href="http://www.compaq.com/products/storageworks/hubs_bridges.html">www.compaq.com/products/storageworks/hubs_bridges.html</a></p> <p><b>Note:</b> This Web site is available in English only.</p>						
<b>Supported Operating Systems</b>	<p>Microsoft NT® Server 4.0 Enterprise Edition (includes Microsoft Cluster Server) Note: Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center at 1-800-345-1518 for details. Microsoft Windows® 2000 Advanced Server</p>						
<b>Options</b>	<p>All server options are supported, except Recovery Server Option and the Compaq ProLiant Cluster/S100 Kit. All Fibre Channel Storage options are supported except long-wave GBICs.</p> <table><tr><td>Compaq ProLiant Cluster HA/F100 Kit</td><td>309816-B21</td></tr><tr><td>Compaq ProLiant Cluster HA/F100 Kit (Japan)</td><td>309816-291</td></tr><tr><td>100 Ethernet Cable</td><td>309835-B21</td></tr></table>	Compaq ProLiant Cluster HA/F100 Kit	309816-B21	Compaq ProLiant Cluster HA/F100 Kit (Japan)	309816-291	100 Ethernet Cable	309835-B21
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100 Ethernet Cable	309835-B21						

### Components

### Service and Support

Compaq servers and storage systems are protected by Compaq Services including a three-year limited warranty, 7 x 24 hardware technical phone support and online support through CompuServe, Prodigy, America Online and the Internet. Pre-Failure Warranty applies to certain hard drives, memory and processors for servers monitored by Compaq Insight Manager 2.0 or later. For more information on support offerings for your Compaq hardware, contact your Compaq Authorized Service Provider.

**NOTE:** Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center at 1-800-345-1518 for details.

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