

Overview

The HP ProLiant Essentials RDMA Pack enables the Multifunction NIC on a ProLiant server. Remote Direct Memory Access (RDMA) is a communications protocol that provides direct transmission of data from the memory of one computer to the memory of another with minimal demands on the host CPU. RDMA provides a high-speed, high-performance connection between servers on the same network. RDMA Pack licenses are port-based; the licensed seats are available to individual ports on the Multifunction NIC.

Models

Licensing and Packaging

HP ProLiant Essentials RDMA Pack for Embedded Multifunction Gigabit Server Adapters

HP ProLiant Essentials RDMA Pack for Embedded Multifunction Gigabit Server Adapters, No Media, 1-Server License	452681-B21
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Kit Contents

(1) peel and seal envelope containing a license card and license key label

Standard Features

Supported Servers

ProLiant BL c-Class (HP BladeSystem):

- HP ProLiant BL460c Server Blade
- HP ProLiant BL465c Server Blade
- HP ProLiant BL480c Server Blade
- HP ProLiant BL685c Server Blade

ProLiant BL p-Class (HP BladeSystem):

- HP ProLiant BL20p G4 Server Blade
- HP ProLiant BL25p G2 Server Blade
- HP ProLiant BL45p G2 Server Blade

ProLiant ML (expansion-optimized):

- HP ProLiant ML350 G5
- HP ProLiant ML370 G5
- HP ProLiant ML570 G4

ProLiant DL (rack-optimized):

- HP ProLiant DL360 G5
- HP ProLiant DL365
- HP ProLiant DL380 G5
- HP ProLiant DL385 G2
- HP ProLiant DL580 G4
- HP ProLiant DL585 G2

NOTE: This is a list of supported servers. Some may be discontinued

Customer Benefits

- To move large amounts of data (generally for large I/Os) such as HPC (High Performance Computing), data mining, backups
- Moving large amounts of data take protocol processing generally done by the server CPU such as buffer segmentation and reassembly
- Databases read/write and network backups generally have significant network load and cause CPU bottlenecks
- RDMA offloads the transport stack to the Multifunction NIC

Supported operating systems

Microsoft Windows Server 2003 Standard and Enterprise Edition
Microsoft Windows Server 2003 x64 Standard and Enterprise Edition
Microsoft Windows Server 2003 Web Edition
Microsoft Windows Small Business Server 2003

Service and Support, HP Care Pack, and Warranty Information

Warranty

HP will replace defective delivery media replacement for a period of 90 days following the date of purchase.

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