

HP StorageWorks X9300 Network Storage Gateway

Quick Start Guide

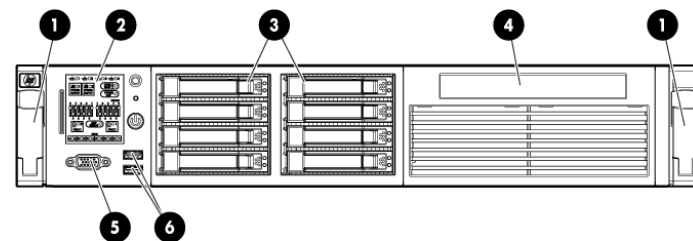
System components

System components include:

- Optional HP StorageWorks X9300 Network Storage System Base Rack
 - Keyboard, video, and mouse (KVM)
 - HP ProCurve 2910-24G management switch
- HP StorageWorks X9300 file serving node
- HP StorageWorks X9300 Management Server management console (one per cluster required)
- Storage connectivity (one or more options chosen by the customer):
 - Dual port 10 GbE NIC (iSCSI)
 - Quad port 1 GbE NIC (iSCSI)
 - Dual port FC 8-GB HBA (Fibre Channel)
 - SAS HBA
- Storage array support
 - iSCSI—HP LeftHand P4000, Dell EqualLogic
 - Fibre Channel—HP EVA, HP MSA2000, EMC CLARiiion
 - SAS—HP MSA
- Front-end connectivity (chosen by the customer)
 - 10 GbE network
 - 1 GbE network
 - Infiniband network
- Pre-installed software
 - Red Hat 5.3 Linux operating system
 - HP StorageWorks X9000 File Serving Software
 - Integrated Lights-Out 2 (iLO 2) remote management software

HP StorageWorks X9300 file serving node component identification

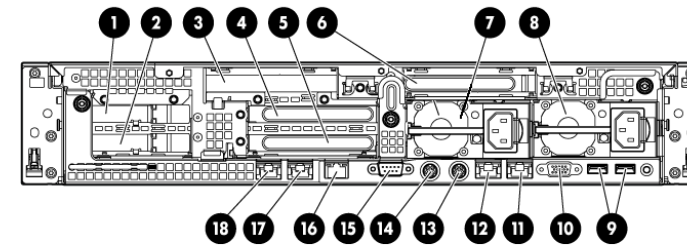
Front view



Item	Description
1	Quick-release levers (2)
2	HP Systems Insight Manager display
3	Hard drive bays

Item	Description
4	SATA optical drive bay
5	Video connector
6	USB connectors (2)

Rear view



Item	Description
1	PCI slot 5
2	PCI slot 6
3	PCI slot 4
4	PCI slot 2
5	PCI slot 3
6	PCI slot 1
7	Power supply 2 (PS2)
8	Power supply 1 (PS1)
9	USB connectors (2)
10	Video connector
11	NIC 1 connector
12	NIC 2 connector
13	Mouse connector
14	Keyboard connector
15	Serial connector
16	iLO 2 connector
17	NIC 3 connector
18	NIC 4 connector

See the following table for a description of PCI slot assignments.

Gateway server	PCIe card	PCI slot
1Gb	opt1: 82Q FC HBA	1
	opt2: SAS HBA	
	opt3: NC364T Quad 1Gb NIC	
	opt4: NC522SFP dual 10Gb NIC	
	NC364T Quad 1Gb NIC	
	empty	
10Gb	empty	3
	empty	4
	empty	5
	empty	6
	opt1: 82Q FC HBA	1
	opt2: SAS HBA	
opt3: NC364T Quad 1Gb NIC		
opt4: NC522SFP dual 10Gb NIC		
empty		
NC522SFP dual 10Gb NIC		
Infini-band	empty	5
	empty	6
	opt1: 82Q FC HBA	1
	opt2: SAS HBA	
	opt3: NC364T Quad 1Gb NIC	
	opt4: NC522SFP dual 10Gb NIC	
empty		
HP IB 4X QDR PCI-e G2 Dual Port HCA		
empty	4	
empty	5	
empty	6	

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System setup

HP service specialists can perform any or all of the following implementation steps, as specified in your statement of work:

- Remove the product from the shipping cartons that have been placed in the location where the product will be installed.
- Confirm the contents of each carton using the list of included items, check for physical damage to the exterior of the product, and connect the product to power and network provided by the customer.
- Ensure that all prerequisites for the server, network, and storage environment have been met.
- Validate the file system performance, availability, and manageability requirements.
- Finalize the product implementation plan and software configuration, and then implement the configuration.
- Document the configuration details.
- Conduct a brief, informal orientation to the product.
- Ensure that virtual disks (Vdisks) are initialized.

Until initialization is complete, performance will be slower than usual; however, after the first few minutes, the system can still be used to create LUNs, file systems, and so on, and clusters can be set up.

- Configure file systems.
- Verify that the system is functional by testing file serving in the cluster server environment and the failover process.

ⓘ IMPORTANT:

Do not interrupt power to the storage system during initialization.

Next steps

Depending on which services the HP service specialist performs, your next step could be any of the above system setup tasks. If optional functions such as continuous remote replication, data tiering, snapshots, and high availability were not set up by the HP service specialist, you can set them up at any time by following the instructions in the *HP StorageWorks X9000 File Serving Software User Guide*.

Related information

- HP StorageWorks X9300 Network Storage Gateway documentation
 - *HP StorageWorks X9000 File Serving Software User Guide*
 - *HP StorageWorks X9000 File Serving Software CLI Reference*
 - *HP StorageWorks X9000 File Serving Software Release Notes*

To locate the X9300 Network Storage Gateway documents, go to <http://www.hp.com/go/X9000>.

- HP StorageWorks X9300 Management Server documentation
 - *HP ProLiant DL360 G6 Server User Guide*
 - *HP ProLiant DL360 G6 Server Maintenance and Service Guide*

To locate the HP StorageWorks X9300 Management Server documents, go to <http://www.hp.com/support/manuals>. In the servers section, click **ProLiant ml/dl and tc series servers**, and then click **HP ProLiant DL360 G6 Server series**.

- HP StorageWorks X9300 file serving node documentation
 - *HP ProLiant DL380 G6 Server User Guide*
 - *HP ProLiant DL380 G6 Server Maintenance and Service Guide*

To locate the HP StorageWorks X9300 file serving node documents, go to <http://www.hp.com/support/manuals>. In the servers section, click **ProLiant ml/dl and tc series servers**, and then click **HP ProLiant DL380 G6 Server series**.

HP websites

For additional information, see the following HP websites:

- <http://www.hp.com/go/X9000>
- <http://www.hp.com>
- <http://www.hp.com/go/storage>
- <http://www.hp.com/support/manuals>

HP technical support

For worldwide technical support information, see the HP support website:

<http://www.hp.com/support>

Before contacting HP, collect the following information:

- Product model names and numbers
- Technical support registration number (if applicable)
- Product serial numbers
- Error messages
- Operating system type and revision level
- Detailed questions