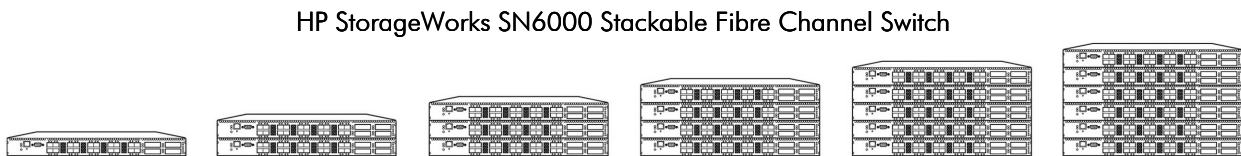
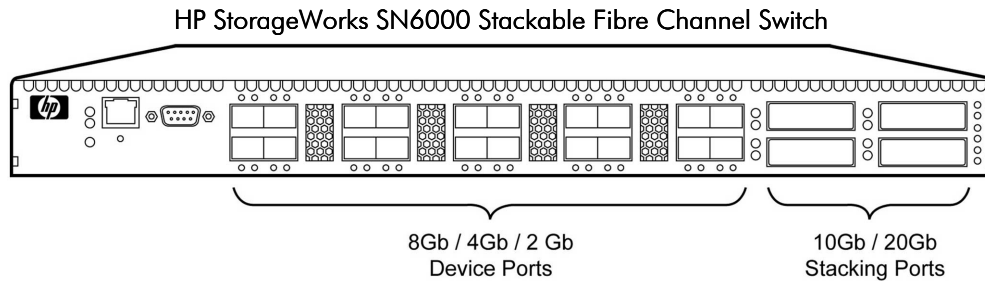


Overview

The HP StorageWorks SN6000 Stackable 8Gb Fibre Channel switch is designed to make Enterprise SANs affordable and easy to use, especially as the network expands. Built with low-cost, high-performance scalability in mind, each SN6000 features 20 device ports supporting 8/4/2 Gbps speeds, plus 4 high-speed 10/20 Gbps stacking ports for linking SN6000 switches. Included Simple SAN Connection Manager (SSCM) software enables network management and storage provisioning from a single screen. Transparent Router functionality, standard in H-series switches (SN6000 and 8/20q), provides seamless, non-disruptive access to servers and storage on HP B-series and HP C-series SANs.

Begin with 20 device ports for an affordable solution and add new switches for up to 120 usable device ports per stack (single manageable unit), or 500+ ports in multi-stack topologies.

Included 10 Gbps stacking ports may be upgraded to 20 Gbps speed at any time, extending the solution lifespan while preserving current investments.



Dedicated 10 Gbps/20 Gbps stacking ports give IT managers all the headroom they need to deploy new applications and technologies with confidence. Need more ports? Simply add another switch to the stack for easy non-disruptive expansion to 120 ports and beyond. Need more bandwidth? Simply apply the 20 Gbps Stacking (ISL) port upgrade.

Key Features and Benefits

- Build a scalable SAN with less hardware and less complexity
 - Twenty 8 Gbps device ports per SN6000
 - Four (4) 10 Gbps/20 Gbps Stacking (ISL) Ports
 - 120 ports per stack, more in a multi-stack SAN
 - Hot-swappable dual power supply model
 - Fewer cables to manage
- Affordable Performance
 - Industry leading ASIC technology: < 200ns latency
 - 20 Gbps stacking port upgrade option
 - Adaptive Trunking included - Optimal ISL performance
 - 544 Gbps aggregate bandwidth per switch
 - Low-cost HP standard SFP/SFP+ optics (4 Gbps/8 Gbps)
- Gain operational efficiencies with unique SAN management software
 - Integrated end-to-end management-server to storage
 - Microsoft Exchange wizard eliminates user error
 - Drag-and-drop zoning

Overview

- Adaptive Trunking
- Includes IO StreamGuard
- Interoperability
 - TR - Seamless operation: HP B and C-series SANs
 - SN6000 and 8/20q via device port -> ISL

Models

HP StorageWorks
SN6000 Fibre Channel
Switch

HP StorageWorks SN6000 Stackable 8Gb 24-port Single Power Fibre Channel Switch¹

AW575A*

HP StorageWorks SN6000 Stackable 8 Gb 24-port Dual Power Fibre Channel Switch
*#0D1 may appear after this part number on your sales order when factory integration is indicated.

AW576A*

¹The AW575A single power supply model is not field upgradeable to a dual power supply model.

Product Highlights

Configuration support

The HP StorageWorks SN6000 Fibre Channel Switch will interoperate with other H-series switches, HP SN6000 and HP 8/20q Fibre Channel Switches, running the firmware version defined in the SAN Design Guide: <http://www.hp.com/go/sandesignguide>

The HP SN6000 Fibre Channel Switch will also interoperate with HP StorageWorks B-series and C-series fabrics using Transparent Router (TR) technology. For details and supported firmware versions, refer to the SAN Design Guide: <http://www.hp.com/go/sandesignguide>

High-availability features

- Hot-swappable power supply and fan module (Dual power supply model)
- Hot-swappable 8 Gbps SFP+ and 4 Gbps SFP optical transceivers
- Non-Disruptive Code Load and Activation (NDCLA)
- Non-Disruptive 20 Gbps ISL Upgrade License Activation
- I/O StreamGuard

Security features

- User Security
 - User Accounts
 - RADIUS Authentication
- Connection security
 - SSH (CLI)
 - SSL (EFS and SMI-S)
- Device security
 - FC-SP DH-CHAP
 - FC-GS-6 CT Authentication

Manageability

- Simple SAN Connection Manager (SSCM)
- QuickTools with stack management enabled
- Command Line Interface
- SMI-S v1.1 provider
- GS-4 Management Server (including FDMI)
- SNMP
- FTP
- TFTP
- RADIUS

Scalability

- All topologies supported: cascade, ring, and mesh
- Supports stacks of two to six switches linked via 10 Gbps or 20 Gbps high-speed stacking ports
- Supports up to 5 stacks linked via Inter-Switch Links (ISLs) for up to a 30 switch fabric and over 500 device ports
- 7 Hops
- Adaptive Trunking, intelligent path selection
- The HP SN6000 Fibre Channel Switch scales to the maximum limits defined in the SAN Design Guide: <http://www.hp.com/go/sandesignguide>

Cabinet Support

- 22U, 36U, and 42U; 5000, 9000 and 10,000 series StorageWorks Cabinets

Product Highlights

Disk Array Support**

- HP StorageWorks MSA2000fc G3*
- HP StorageWorks MSA2000fc and MSA2000fc G2
- HP StorageWorks MSA1000 and MSA1500 (active/active failover only)
- HP StorageWorks EVA4400, EVA6400, EVA8400
- HP StorageWorks EVA4100, EVA6100, EVA8100
- HP StorageWorks EVA4000, EVA6000, EVA8000
- HP StorageWorks XP10000, XP20000, XP12000, XP24000*

* Simple SAN Connection Manager software does not support configuration or provisioning of XP and MSA2000fc G3 storage at this time; hardware connect support to the switch/HBA only at this time.

**Refer to Spock (<http://spock.corp.hp.com/index.aspx>) for the most recent interoperability support matrix

Operating System Support*

- Microsoft Windows Server 2008
- Microsoft Windows Server 2003
- Microsoft Windows Storage Server 2003
- VMware 4.0
- Red Hat Enterprise Linux (RHEL)
- SUSE Linux Enterprise Server (SLES)
- HP-UX
- Citrix Xen Enterprise
- Integrated Citrix XenServer HP Enterprise

For specific support details, see the SAN Design Guide: <http://www.hp.com/go/sandesinguide>

*Refer to Spock (<http://spock.corp.hp.com/index.aspx>) for the most recent interoperability support matrix

Software Components

HP StorageWorks Simple Comprehensive SAN infrastructure lifecycle management software that includes configuration, **SAN Connection Manager** management, and maintenance for switches, HBAs, and HP MSA/EVA storage in a single GUI. (included)

Features include:

- Topology views
- EVA and MSA storage configuration and provisioning
- Drill-down device management
- Switch configuration
- HBA and storage drag-and-drop zoning administration
- Application-based MSA/EVA setup and provisioning wizard for Microsoft Exchange deployments and template for custom applications
- Microsoft volume management
- Automatic switch/HBA software/firmware update notifications and downloads for convenient upgrades
- Automatic EVA/MSA firmware notifications
- HBA failover configuration
- Event logs for switch & HBAs
- Change tracking
- Easy to follow software documentation

Product Highlights

Simple SAN Connection Manager is supported on a management station running Microsoft Windows Server 2008, Microsoft Windows Server 2003 R2 SP2 or Microsoft Windows Storage Server 2003 R2 SP2.

System requirements:

- 512 MB memory
- 200 MB disk space
- 2.0 GHz processor
- CD ROM drive, Ethernet port
- JAVA Runtime Environment (JRE)
- Internet browser: Microsoft Internet Explorer, Netscape Navigator, or Mozilla Firefox

QuickTools (included)

On-board graphical user interface allows administrators to access advanced switch management functionality using the switch's IP address.

Service and Support, HP Care Pack, and Warranty Information

Warranty

(1-1-1) Hardware Warranty - One-year on-site warranty, normal business hours, next business day response, installation not included.

Software Warranty - HP warrants only that the software media will be free of physical defects for a period of ninety (90) days from delivery.

NOTE: During the warranty period HP will provide standard business hours, standard business days telephone support for firmware and embedded non-saleable software.

HP Care Pack Services

For increased uptime, productivity and ROI -HP Care Pack packaged services for Storage

These days, you need to get the most out of your storage investment-you can't afford not to. When you buy HP storage products and solutions, it's also a good time to think about what levels of service and support you may need. To help take the worry out of deploying, designing, maintaining, and managing your environment, we've designed a portfolio of service options that are as: flexible, reliable and scalable as your storage. Unlike storage-only vendors, we take a holistic approach to your entire environment, bridging storage, servers, blades, software and network infrastructures with our HP Care Pack packaged services for Storage.

Protect your business beyond the warranty

When it comes to robustness and reliability, standard warranties on today's computing equipment have matured just as the technologies have matured. Good news on some fronts-but also a source of potential problems and subsequent consequences that come from depending on standard warranties alone. Standard warranty protects against product defects and some causes of downtime- but not the business. By using a standard approach to warranty uplifts, such as HP Care Pack Services, you can reduce downtime risks and be more certain of operational consistency for both mission-critical and standard business computing. Simply put, HP Care Pack Services normalize the warranty of combined products - helping you proactively guard against unplanned downtime.

Extending warranties with HP Care Pack Services

For cost-effective upgrading or extending your standard warranty, HP Care Pack Services offer a suite of standard reactive hardware and software support services that are sold separately, or combined as with our Support Plus and Support Plus 24 services. The portfolio also provides a combination of proactive and reactive services, such as Proactive 24 Service and Critical Service. In addition, with HP Proactive Select we offer an innovative approach to service delivery that gives you the flexibility to acquire the specific proactive services you need today, then add services as your needs evolve. HP Proactive Select offers a broad set of technical or per-event type service options - including server, storage, and network, SAN device, and software, environment, installation and education services. Services that you can mix and match depending on your specific requirements, from preliminary planning and equipment delivery to installation, configuration, integration, and testing, through every level of ongoing support. Our HP Care Pack packaged services for Storage assures help when you need it most. And for many products, post-warranty HP Care Pack Services are available when your original warranty has expired.

HP Storage Services: Offering reliability, flexibility and value-just like your storage

HP Storage Services offers a full spectrum of customer care, from technology support to complex migrations to complete completely managed services. HP Factory Express provides customization, integration and deployment services for turnkey solutions. HP Education offers flexible, comprehensive training on storage networking, disk storage systems, and storage software to help your IT staff get the most out of your investments. And HP Financial solutions extend innovative financing and asset management programs to cost-effective buy, manage and eventually retire your older equipment.

Service and Support, HP Care Pack, and Warranty Information

HP Storage Services, the trusted business technology experts who manage your technology in action, because when technology works, business works. <http://www.hp.com/hps/storage>

NOTE: Care Pack Services availability may vary by product and country.

HP Care Pack Services are sold by HP and HP Authorized Service Partners:

- Services for customers purchasing from HP or an enterprise reseller are quoted using HP order configuration tools.
- Customers purchasing from a commercial reseller can find HP Care Pack Services at <http://www.hp.com/go/lookuptool>

Recommended Support **HP Care Pack Services recommended for optimal satisfaction of all deployments of your product.**
3-Year HP Support Plus 24 For a higher return on your storage investment, HP Support Plus 24 provides integrated hardware and software support services designed specifically for your technology. Available 24x7, this 3-year combined reactive support option delivers onsite hardware support and over-the-phone software support around-the-clock. Leverage the full strength of HP Technology Services - customers can trust the services professionals at HP to work collaboratively with them, putting our strategic and technical know-how to work across their entire infrastructure.

- Improve uptime with responsive hardware and software services
- Enjoy consistent service coverage across geographically dispersed sites
- Update HP software at a predictable cost
- Increase customer satisfaction-with no interoperability gaps

<http://h20195.www2.hp.com/V2/GetPDF.aspx/5981-6638EN.pdf>

Recommended Deployment **HP Enhanced Implementation Service for SANs**
For customers who are building a new SAN or expanding their existing one, we offer the HP Enhanced Implementation Service for SANs. This provides complete design and implementation services for Fibre Channel, FCOE, FCIP, SAS and iSCSI SAN connectivity components. Covering all major SAN connectivity technologies including virtual as well as physical hosts, no competitor offers a more complete end to end SAN design and implementation service, ensuring comprehensive optimal SAN connectivity tailored to your specific environment.

- Ensures optimal SAN connectivity tailored to your specific environment.
- Allows your IT resources to stay focused on their core tasks and priorities
- Reduces implementation time, impact and risk to your storage environment
- Helps ensure a successful implementation for complex deployments by providing HP project management

<http://h20195.www2.hp.com/v2/GetPDF.aspx/5981-8527EN.pdf>

Related Services **Services that will enhance the user experience in many product deployments.**
3-Year HP Proactive 24 HP Proactive 24 Service for SANs is an integrated hardware and software support service that combines proactive problem prevention with responsive

Service and Support, HP Care Pack, and Warranty Information

As an alternative to our recommended support level, for customers who want improved SAN availability and access to a wide range of proactive and reactive services:

24x7 assistance for rapid problem resolution.

A collaborative relationship with HP Services strengthens your IT team and gives you direct access to our technical expertise as issues arise.

Improve IT staff skills, increase SAN productivity.

Proactive 24 Service for SANs can help you:

- Enhance the skills and efficiency of your IT staff through knowledge transfer, shared best practices in storage management, and hands-on assistance
- Improve SAN availability through access to a wide range of proactive and reactive services
- Boost productivity through effective change management, configuration assistance, and performance optimization
- Increase the return on your SAN investment
- Enhance your overall operational effectiveness

Expert single-point-of-contact assistance 24x7

An assigned HP Services account manager is your primary contact for proactive services and access to HP's diverse technical resources. Your account manager works closely with your IT staff to understand your goals, document the components of your infrastructure, recommend changes to improve performance and stability, and monitor ongoing operations through HP's industry-leading remote monitoring and support tools.

<http://h20219.www2.hp.com/services/cache/11157-0-0-225-121.html>

HP Assessment Service for SANs

For customers interested in improving availability of their SAN and decreasing potential for unplanned downtime:

The HP Assessment Service for SANs offers customized technical and operational guidance to customers employing HP storage subsystems and the interconnecting storage area network (SAN) infrastructure. In a typical engagement, HP or one of our authorized business partners will perform a detailed discovery using HP's proprietary toolset to gain an understanding of the configuration of your storage devices and SAN topology. The findings from this process will be compared to HP best practices and industry standards as defined by IT Service Management (ITSM) disciplines. The results of the evaluation will be quickly and efficiently processed into information you can leverage. This information, in the form of a comprehensive HP SAN Assessment report, will be summarized by HP or one of our authorized business partners with recommendations that are intended to improve availability levels and ongoing management of your storage and SAN environment.

<http://h20195.www2.hp.com/v2/GetPDF.aspx/5981-9510EN.pdf>

HP Proactive Select Service

For customers who need to improve IT performance and manageability through the use of cost effective

Proactive Select - increased flexibility, minimal complexity -- Select what works for you - your package

Delivery planning + Proactive Service Credits

- Credits are used to redeem proactive services
- Three 'predefined' service credit levels - 30, 60, 180 credits

Service and Support, HP Care Pack, and Warranty Information

- flexible proactive services:
- Additional credits available
 - Available in 1,3, 4 & 5 year packages
 - Reactive
 - Utilize existing reactive services products - ranging from Next Day, through 24x7, to 6 Hour Call to Repair

<http://h20195.www2.hp.com/v2/GetPDF.aspx/4AA2-3842ENN.pdf>

eSupport

HP eSupport is a portfolio of technology-based services that assist you with managing your business environment - from the desktop to the data center.

Support Portal

The HP support portal provides one-stop access to the information, tools and services you need to manage the daily operations of your IT environment.

Features include:

- Access to self-solve tools (including search technical knowledge base)
- Efficient logging and tracking of support cases
- Collaboration with other business and IT professionals
- Download of patches and drivers
- Access to diagnostic tools
- Proactive notification of relevant information

Access to certain features of the support portal requires an HP service agreement.

To access the support portal, visit: <http://www.hp.com/support>

Customer Technical Training

Consider education as an integral part of your strategy to get the best return on investment for your HP storage solution. HP offers a variety of training courses on storage software, networking, archiving and disk storage systems. Our classes are available in many delivery modalities from traditional instructor-led courses at one of our 80 training centers worldwide to on-site training customized to your needs or online. www.hp.com/learn/storage

HP Services Awards

HP Services continues to be recognized for service and support excellence by customers, partners, industry organizations and publications around the world. Recent honors and award reflect our services team's dedications, technical expertise, professionalism and uncompromising commitment to customer satisfaction. For a list of all our awards, please visit:

<http://h20219.www2.hp.com/services/cache/433028-0-0-225-121.htm>

Additional Services Information

For more information about HP Care Pack Services for Storage, please visit:

<http://www.hp.com/hps/storage>

If you have specific questions, contact your local HP representative. Contact information for a representative in your area can be found at "Contact HP" <http://www.hp.com>

Configuration Information

Step 1 - Base Configuration

Select one:

Model Name	Model Description	Part Number
HP StorageWorks SN6000 Stackable 8Gb 24-port Single Power Fibre Channel Switch	24-port single power supply Fibre Channel Switch with 20 active device ports and 4 active 10 Gbps stacking (ISL) ports, Simple SAN Connection Manager software, country-specific power cord, serial cable, licenses, rack mount kit, and docs. NOTE: Requires optical transceivers listed below.	AW575A
HP StorageWorks SN6000 Stackable 8Gb 24-port Dual Power Fibre Channel Switch	24-port dual hot-swappable power supply Fibre Channel Switch with 20 active device ports and 4 active 10 Gbps stacking (ISL) ports, Simple SAN Connection Manager software, country-specific power cord, serial cable, licenses, rack mount kit, and docs. NOTE: Requires optical transceivers listed below.	AW576A

Step 2 - Additional Options

Stacking (ISL) Upgrades	HP StorageWorks SN6000 Stackable 20Gb ISL Upgrade LTU	TA822A
	HP StorageWorks SN6000 Stackable 20Gb ISL Upgrade E-LTU	TA822AAE
8 Gbps Optical Transceivers (SFP+)	HP 8 Gbps Short Wave FC SFP+	AJ718A
	HP 8 Gbps LW 10km FC SFP+ 1 Pk Transceiver	AW584A
4 Gbps Optical Transceivers (SFP)	HP 4 Gbps Short Wave FC SFP	A7446B

Optical cables	OM3 LC-LC type cables	
	.5 m LC-LC Multi-Mode OM3 Fibre Channel Cable	AJ833A
	1 m LC-LC Multi-Mode OM3 Fibre Channel Cable	AJ834A
	2 m LC-LC Multi-Mode OM3 Fibre Channel Cable	AJ835A
	5 m LC-LC Multi-Mode OM3 Fibre Channel Cable	AJ836A
	15 m LC-LC Multi-Mode OM3 Fibre Channel Cable	AJ837A
	30 m LC-LC Multi-Mode OM3 Fibre Channel Cable	AJ838A
	50 m LC-LC Multi-Mode OM3 Fibre Channel Cable	AJ839A

Stacking Cables	XPAK Cables*	
	HP 3in 10/20 Gbps XPAK Copper Cable	AW581A
	HP 9in 10/20 Gbps XPAK Copper Cable	AW582A
	HP 2m 10/20 Gbps XPAK Copper Cable	AW583A

XPAK Optics

HP 10 Gbps SW FC optical XPAK 1 Pack Transceiver AW573A

These optics are used for stacking ports when distances greater than 2m are required. OM3 Fibre Channel cables are used with these optics.

* XPAK copper cables used with the factory shipped transceiver/connectors are required to interconnect SN6000 switches through the 10 Gbps/20 Gbps Stacking Ports (ISLs). These are available in 3 in, 9 in, or 2m (78 in) lengths.

Configuration Information

Minimum # of cables and recommended lengths:

Qty SN6000	2	3	4	5	6
Qty(s) - Cable Length	2 - 3"	2 - 3", 1 - 9"	3 - 3", 3 - 9"	4 - 3", 4 - 9"	2 - 3", 6 - 9"

Customers requiring longer distances to connect SN6000s through the Stacking Ports need to order XPAK optical transceivers and standard OM3 FC cables.

Technical Specifications

Fibre Channel Standards And Revisions	Physical Interface (FC-PI-3, FC-PI-4, FC-PH-2, FC-PH-3) Line Services (FC-LS) Framing & Signaling (FC-FS-3) Generic Services (FC-GS-6) Switch Fabric (FC-SW-5), except for enhanced zoning Arbitrated Loop-2 Rev. 7.0 (FC-AL-2) Fibre Channel Device Attach (FC-DA) Fibre Channel Methodologies for Interconnects (FC-MI-2) Tape Technical Report (FC-Tape) Virtual Interface Architecture Mapping (FC-VI) Fabric Element MIB Specification (RFC 2837) Fibre Alliance MIB Specification (Version 4.0) Security Protocols (FC-SP)												
Fibre Channel ports	20 universal ports 4 stacking ports (10 Gbps Fibre Channel, upgradeable to 20 Gbps)												
Scalability	Full fabric architecture: http://www.hp.com/go/SANDesignGuide												
Certified maximum	Refer to SAN Design Guide: http://www.hp.com/go/SANDesignGuide												
Interoperability	H-series fabric HP StorageWorks 8/20q Fibre Channel Switch HP StorageWorks SN6000 Stackable 8Gb Fibre Channel Switch HP B-series fabric ¹ HP C-series fabric ¹ ¹ Refer to the SPOCK data base for supported B-series and C-series switches: http://h20272.www2.hp.com/												
Performance	8 Gbps line speed, full duplex 10 Gbps and 20 Gbps stacking (ISL) port line speed, full duplex												
Switch core	Non-blocking												
Form Factor	1U												
Fabric latency	<0.2 μ sec., cut-through routing												
Maximum frame size	2148 bytes (2112 byte payload)												
Classes of service	Class 2, Class 3, Class F (inter-switch frames) connectionless Fibre Channel protocol support												
Port types	8 Gbps: FL_Port, F_Port, and E_Port; G_Port, GL_port (auto-configuring), Transparent Router (TR) 10/20 Gbps: E_Port and F_Port; G_Port (auto-configuring)												
Data traffic types	Fabric switches support unicast and broadcast												
Media types	8 Gbps Small Form-Factor Pluggable Plus (SFP+) optical transceivers												
Laser	Distance using short-wave 8 Gbps optical transceivers at 2 Gbps, 4 Gbps, and 8 Gbps connection speed: <table><tr><td>8 Gbps:</td><td>OM3 fiber: 150 m</td></tr><tr><td></td><td>OM2 fiber: 50 m</td></tr><tr><td>4 Gbps:</td><td>OM3 fiber: 270 m</td></tr><tr><td></td><td>OM2 fiber: 150 m</td></tr><tr><td>2 Gbps:</td><td>OM3 fiber: 500 m</td></tr><tr><td></td><td>OM2 fiber: 300 m</td></tr></table>	8 Gbps:	OM3 fiber: 150 m		OM2 fiber: 50 m	4 Gbps:	OM3 fiber: 270 m		OM2 fiber: 150 m	2 Gbps:	OM3 fiber: 500 m		OM2 fiber: 300 m
8 Gbps:	OM3 fiber: 150 m												
	OM2 fiber: 50 m												
4 Gbps:	OM3 fiber: 270 m												
	OM2 fiber: 150 m												
2 Gbps:	OM3 fiber: 500 m												
	OM2 fiber: 300 m												

Technical Specifications

Distance using short-wave 4 Gbps optical transceivers at 2 Gbps and 4 Gbps connection speed:

4 Gbps:	OM3 fiber: 270 m
	OM2 fiber: 150 m
2 Gbps:	OM3 fiber: 500 m
	OM2 fiber: 300 m

Fabric services

Simple name server
 Hardware based zoning
 Registered State Change Notification (RSCN)
 I/O StreamGuard™
 Multi-chassis in-order delivery
 Automatic path selection
 FDMI support

Options

8 Gbps SFP+ and 4 Gbps SFP optical transceivers, 20 Gbps ISL upgrade license

Supported software

Simple SAN Connection Manager, QuickTools

Management access

10/100 Ethernet Base T (RJ-45), serial port (RS-232 with DB9), in-band (Fibre Channel)

Diagnostics

Power-on self test POST

Back-to-front airflow

RoHS compliant

Dimensions

Width	17 in (43.2 cm)
Height	1.7 in (4.32 cm)
Depth	18.75 in (47.6 cm)
Weight	Dual Power Supply: 18 lb (8.16 kg) Single Power Supply: 15 lb (6.8 kg)

Environment

Temperature	Operating	41° to 104° F (5° to 40° C)
	Non-operating	4° to 158° F (20° to 70° C)
Humidity	Operating	10% to 90% non-condensing
	Non-operating	10% to 95% , non condensing
Altitude	Operating	0 to 10,000 ft.
	Non-Operating	0 to 50,000 ft.
Shock	Operating	4 G, 11 ms, 20 repetitions
	Non-Operating	30 G, 13 ms, trapezoidal
Vibration	Operating	5-500 Hz, random, 0.2 G
	Non-operating	2-200 Hz, random, 0.5 G

Power consumption

Supported power range	Operational	100 to 240 VAC
Frequency		50 to 60 Hz
Heat output		Dual Power: 80 watts nominal; 90 watts typical maximum
		Single Power: 73 watts nominal; 83 watts typical maximum

Emissions

FCC subpart B section 15 - Class A (United States)
 ICES-003, Issue 4:2004 - Class A (Canada)
 AS/NZS CISPR22 - Class A (Australia/New Zealand)
 VCCI V-3/2006.04 - Class A (Japan)
 CISPR/EN 55022:1998 + A1:2000 and A2:2003 - Class A (EU)
 EN 61000-3-2: 2000 + A2: 2005
 EN 61000-3-3: 1995 + A1: 2001
 *KN22 with RRL notice No. 2005-85 - Class A (Korea)



Technical Specifications

Safety	US: UL Listed, UL 60950-1 CANADA, CSA C22.2 No. 60950-1 - cUL Listed Europe: EN60950-1 CB Scheme-IEC 60950-1 European Union CE German GS Mark through UL/DEMKO DEMKO VCCI-A Russia: GOST R
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Additional information: <http://www.hp.com/go/sn6000>

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