HPEFibre Channel Switch
(Entry/mid-range class)

system configuration diagram   **2025year6month12day**

table of contents

Configuration Steps

1.Fibre Channel switch (FabricConnection), or select an option.
2.Select the power cord according to your needs.
3.Please select the service for the product you are interested in.
   Please contact us separately regarding installation and maintenance services for products not listed here.

◆ When building large-scale or complex configurations, we recommend using our storage design consultation service. Please contact us for details.
◆HPE SAN (Storage Area Network)For details, see below.WebPlease refer to the site. http://www.hpe.com/jp/ja/storage/networking.html

OVERVIEW

[SANExample of an expanded configuration

As with general networks, the number of devices in a Fibre Channel switch increases.SANIt is possible to expandCore-EdgeBy using a multi-stage configuration called a "system configuration," it is possible to minimize business interruptions due to an increase in equipment, and also to minimize the need for restructuring.SANThis reduces the management and operational costs.

Mesh typeFabric SAN

Core-EdgeTypeFabric SAN
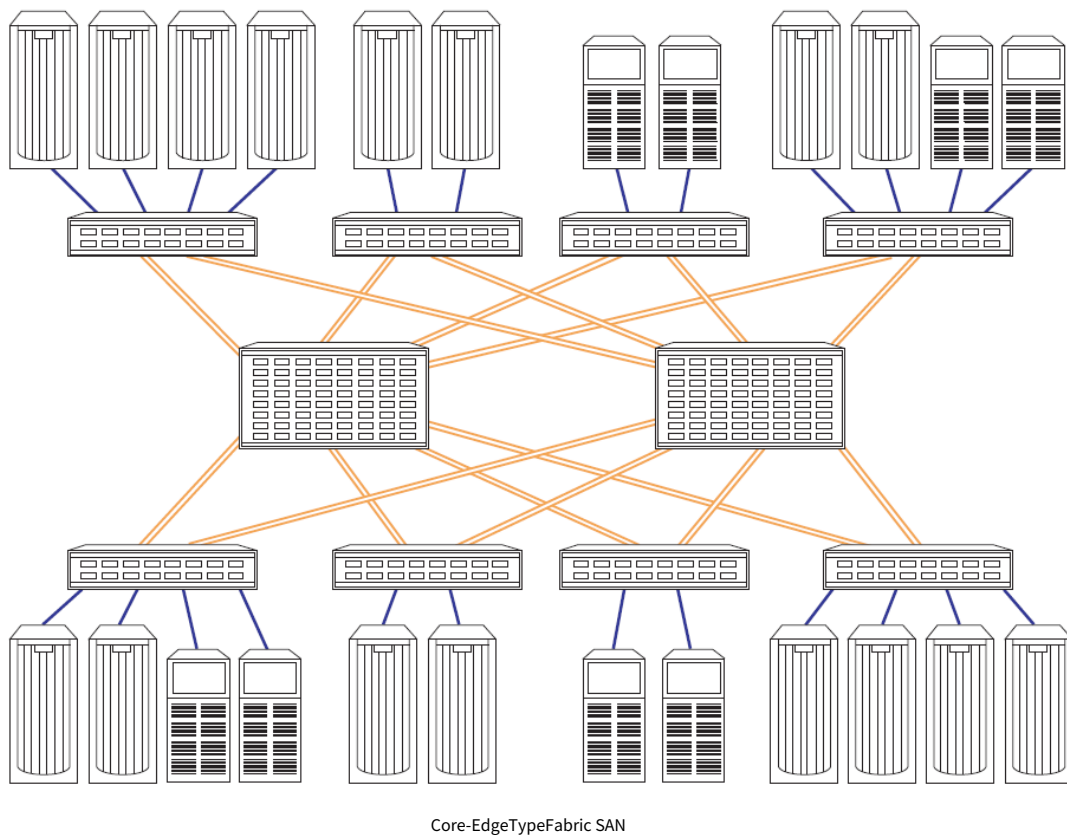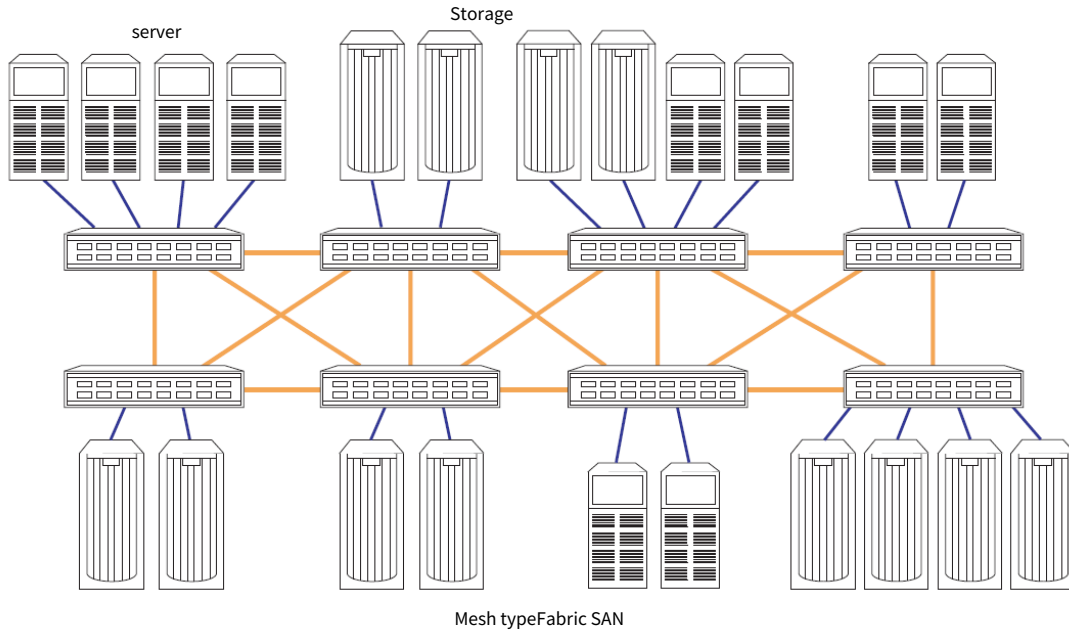
◆SANFor configuration examples and details on configuration,SAN Design Reference Guide See

Fibre Channel Switch Lineup

SN8600B SAN Director

Synergy FCswitch

StoreFabric SN6500B
16Gb 96Port Fiber
Channel Switch

SN3600B 32Gb
twenty fourPort Fiber
Channel Switch

SN6700B 64Gb
56Port Fiber
Channel Switch
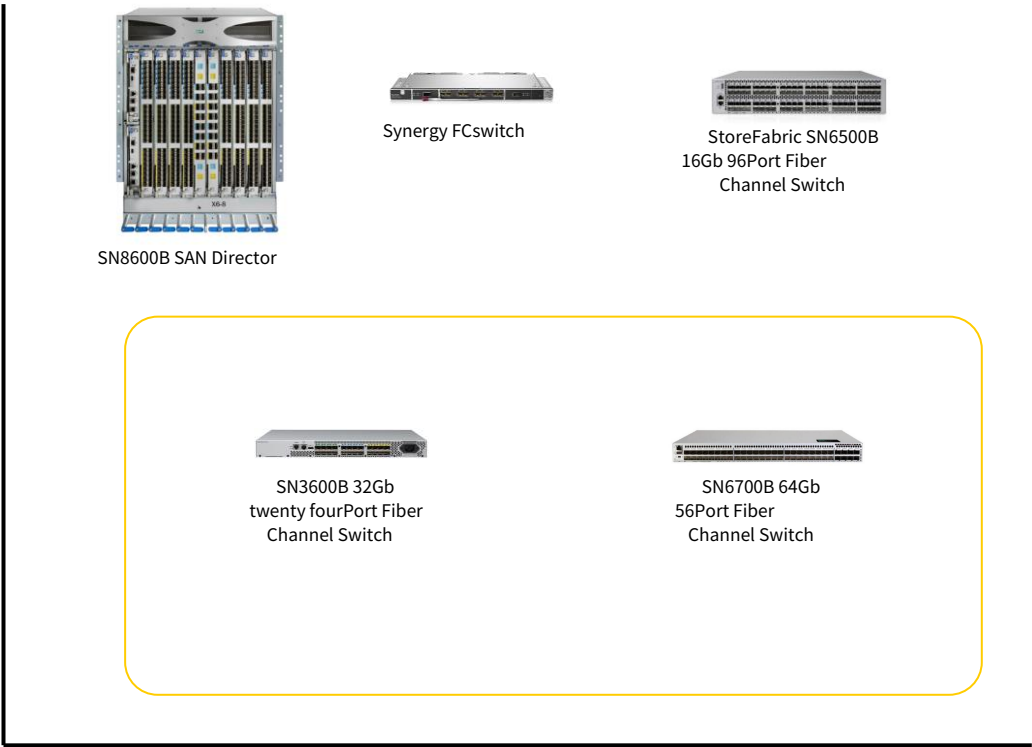
BSeries Switches

☐ Scope of this system configuration diagram

OVERVIEW

Fibre Channel Switch Comparison Chart

Bseries (32Gb FCswitch)	SN3600B 32Gb 24portFCswitch			
	8Port Active16Gb SFP+Attached Model	8Port Active32Gb SFP28Attached Model	twenty fourPort Active PowerPack+ 16Gb SFP+Included	twenty fourPort Active PowerPack+ 32Gb SFP28Included
	R4G55B	R7R97A	R8P29A	R8P28A
Standard Active Ports	8port		twenty fourport	
Port Expansion	twenty fourport			
SFPtransceiver	8Standard attachment (B-series 16Gb SFP+short wavelengthSecure transceiver)	8Standard attachment (B-series 32Gb SFP28short wavelengthSecure transceiver)	twenty fourStandard attachment (B-series 16Gb SFP+short wavelengthSecure transceiver)	twenty fourStandard attachment (B-series 32Gb SFP28short wavelengthSecure transceiver)
Long Wavecorrespondence	support			
FCIP	-			
iSCSI	-			
Cascade Connection	Standards Support			
Trunking function	option			
Zoning	Standards Support			
SAN Full Fabric	Standards Support			
OS	Fabric OS			
software	option		PowerPack+Software package included*1	
Management Software	Advanced Web Tools,HPE SANnav Management Software			
Hot-pluggableRPS*2	-			
Hot-pluggable fans	-			
Form Factor	1URack-mounted			

*1:ISL Trunking,Extended fabric,Fabric VisionAttached *2:
RPS=Redundant Power Supply

Fibre Channel Switch Comparison Chart (continued)

Bseries (64Gb FCswitch)	SN6700B 64Gb 56portFCswitch	
	twenty fourPort Active32Gb SFP28Attached Model	Port Side Intake 24Port Active32Gb SFP28Attached Model
	R6B05A	R6B06A
Standard Active Ports	twenty fourport(SFP56)	
Port Expansion	56port(SFP56×48+SFP-DD*1×8)	
SFPtransceiver	twenty fourStandard attachment (B-series 32Gb SFP28short wavelengthSecuretransceiver)	
Long Wavecorrespondence	support	
FCIP	-	
iSCSI	-	
Cascade Connection	Standards Support	
Trunking function	Standards Support	
Zoning	Standards Support	
SAN Full Fabric	Standards Support	
OS	Fabric OS	
software	PowerPack+Software package included*2	
Management Software	Advanced Web Tools,HPE SANnav Management Software	
Hot-pluggableRPS*3	Standard equipment	
Hot-pluggable fans	Standard equipment	
Form Factor	1URack-mounted	

*1:SFP-DDTo use the portFOS 9.1Requires
*2:ISL Trunking,Extended fabric,Fabric Vision,Integrated RoutingAttached *3:RPS=
Redundant Power Supply

Bseries (64Gb FCswitch)	SN6700B 64Gb 56portFCswitch	
	twenty fourPort Active64Gb SFP56Attached Model	Port Side Intake 24Port Active64Gb SFP56Attached Model
	R7M13A	R7M14A
Standard Active Ports	twenty fourport(SFP56)	
Port Expansion	56port(SFP56×48+SFP-DD*1×8)	
SFPtransceiver	twenty fourStandard attachment (B-series 64Gb SFP56short wavelengthSecuretransceiver)	
Long Wavecorrespondence	support	
FCIP	-	
iSCSI	-	
Cascade Connection	Standards Support	
Trunking function	Standards Support	
Zoning	Standards Support	
SAN Full Fabric	Standards Support	
OS	Fabric OS	
software	PowerPack+Software package included*2	
Management Software	Advanced Web Tools,HPE SANnav Management Software	
Hot-pluggableRPS*3	Standard equipment	
Hot-pluggable fans	Standard equipment	
Form Factor	1URack-mounted	

*1:SFP-DDTo use the portFOS 9.1Requires
*2:ISL Trunking,Extended fabric,Fabric Vision,Integrated RoutingAttached *3:RPS=
Redundant Power Supply

StoreFabric SN3600B 32Gb 24portFCSwitch Product Overview

SN3600Bis the6generation32GbEntry-level Fibre Channel compatibleSANIt's a switch.

1UIn the casetwenty fourThe port is standard and8Port available entry model,twenty fourThere are higher-end models that can use ports, and depending on the license,8The port active model is16,twenty fourExpandable to multiple ports. Bundled or optional supplementary service softwarePower Pack+The functionality can be expanded.

SN3600B 32Gb 24portFCswitch

System Specifications

Product name	SN3600B 32Gb 24port FCswitch8port active16Gb SFP+ Attached Model	SN3600B 32Gb 24port FCswitch8port active32Gb SFP28 Attached Model	SN3600B 32Gb 24port FC switchtwenty fourport activePowerPack+ 16Gb SFP+Attached Model	SN3600B 32Gb 24port FCswitchtwenty fourport activePowerPack+ 32Gb SFP28Attached Model
Product Number	R4G55B	R7R97A	R8P29A	R8P28A
Fibre Channel Port	standard8Active, Maxtwenty four, Universal Port		standardtwenty fourActive, Maxtwenty four, Universal Port	
IncludedSFPtransceiver	B-series 16Gb SFP+ short wavelengthSecure transceiver,8pieces	B-series 32Gb SFP28 short wavelengthSecure transceiver,8pieces	B-series 16Gb SFP+ short wavelengthSecure transceiver,twenty fourpieces	B-series 32Gb SFP28 short wavelengthSecure transceiver,twenty fourpieces
Certified Maximum Switch Configuration	maximum56Switches (all switches)Fabric OSbut8.1.0(When			
interoperability	SANswitch8/8,SANswitch8/24,8/8 SANswitch,1606 Extension SAN Switch, SN4000B SAN Extension Switch,SN8000B 8-Slot SAN Backbone Director,SN8000B 4-Slot SAN Director, SN6500B 16Gb FCswitch,SN6000B 16Gb FCswitch,SN3000B 16Gb FCswitch, BladeSystem c-Class Brocade 8Gb SANswitch,BladeSystem c-Class Brocade 16Gb SANswitch, Synergy Brocade 16Gb SANswitch,,SN3600B 32Gb FCswitch, SN6600B 32Gb FCswitch,SN6700B 64Gb FCswitch			
performance	Auto-sensing,4,8,16,32 GbpsPort Speed			
ISLTrunking	ISLMaximum per trunk8pieces32 GbpsFrame-based trunking on the port, ISLMaximum per trunk256 Gbps,DPSExchange-basedISLLoad balancing betweenFabric OSEquipped with			
Fabric Latency	900nanoseconds (local switch port,Forward Error Correction (FEC)include)			
Maximum Frame Size	2112Bytes Payload			
Class of Service	class2,class3,classF(Inter-switch frame)			
Port Type	Dport (diagnostic port),Eport,Fport,Mport(Mirrorport), FPort andNPIV CorrespondingNControl the port (Access Gateway mode			
USB	1Ports (for downloading system log files and firmware upgrades)			
Data Traffic Types	Fabric switches that support unicast			
Media Type	BFor seriesSFP(Small Form-Factor Pluggable)			
Fabric Services	Monitoring and Alerting Policy Suite (MAPS),Flow Vision, Adaptive Networking (Ingress Rate Limiting, Traffic Isolation, QoS),Fabric Performance Impact (FPI) Monitoring, Slow Drain Device Quarantine (SDDQ), Advanced Zoning (default zoning, port/WWN zoning, broadcast zoning, peer zoning, target-driven zoning), Dynamic Fabric Provisioning (DFP),Dynamic Path Selection (DPS),Extended Fabrics,Enhanced BB credit recovery, FDMI,Frame Redirection,Frame-Based Trunking,FSPF,ISL Trunking,Management Server, NPIV,NTP v3, registration status change notification (RSCN),Reliable Commit Service (RCS), Simple Name Server (SNS), Read Diagnostics Parameter (RDP),VM Insight			
option	SFPTransceivers, Fibre Channel cables, management software,USBmemory			
Support Software	HTTP,SNMP v1/v3 (FE MIB, FC Management MIB),SSH,Auditing,Syslog, Advanced Web Tools,HPE SANnav Management Software, SAN Network Advisor Enterprise or SAN Network Advisor Professional/Professional Plus, Command Line Interface (CLI),SMI-S compliant,Administrative Domains,trial licenses for add-on capabilities, Power Pack+ (Fabric Vision, Extended Fabric, ISL Trunking)			
Management Access	10/100/1000 Ethernet (RJ-45),In-band over Fibre Channel, serial port (RJ-45),USBport			
diagnosis	D_PortElectrical/optical loopback for offline diagnostic functions,link traffic /Waiting time/distance, Flow mirroring, built-in flow generator, POSTand built-in online/offline diagnostics, environmental monitoring,FCpingandPathinfo (FC traceroute), Frame viewer, non-disruptive daemon restart,optics health monitoring,power monitoring, RAS trace logging,Rolling Reboot Detection (RRD)			
power supply	Rating:90~264 VAC (47 Hz – 63 Hz)			
Power consumption	76.52 W (24Fully equipped port,32 Gbps SWL(When using a transceiver)			
size(H×W×D)	4.3 cm×42.9 cm×30.7 cm			
weight	5.76 kg (Power1(Basic equipment, excluding transceivers)			
Form Factor	1U(From the back (cooling fan side) to the front (FCport side), and the power connectorFCport side),19inch,EIACompliance			

StoreFabric SN6700B 64Gb 56portFCSwitch Product Overview

SN6700Bis the latestFC SANProviding technologyBrocade GEN7Equipped with a chip,64Gb/sCompatible with next-generation mid-range FC SANIt's a switch.

No.6Approximately 100 times faster than the previous generation chip40%It improves latency.NVMe over FabricBy combining it with compatible products, you can maximize its high-performance storage capabilities.

The physical port is48piecesSFP56Port and8piecesSPD-DDIt has a port and comes standard withtwenty fourports are activated and a port upgrade license allows up to64FCIt can be expanded to up to 1000 ports.32Gb SFP28 or64Gb SFP56Short wavelength SecureThe walkie-talkietwenty four1 piece is included as standard.

SN6700B 64Gb 56portFCswitch

System Specifications

Product name	SN6700B 64Gb 56portFCswitch twenty four Port Active32Gb SFP28Attached Model	SN6700B 64Gb 56portFCswitchPort Side Intake twenty fourPort Active32Gb SFP28Attached Model
Product Number	R6B05A	R6B06A
Fibre Channel Port	physics56Port, Standardtwenty fourActive, Max48 SFP56+8 SFP-DD*1, Universal Port	
IncludedSFPtransceiver	B-series 32Gb SFP28short wavelengthSecuretransceiver,twenty fourpieces	
Certified Maximum Switch Configuration	maximum56Switches	
interoperability	SANswitch8/8,SANswitch8/24,8/8 SANswitch, 1606 Extension SAN Switch, SN4000B SAN Extension Switch, SN8000B 8-Slot SAN Backbone Director, SN8600B 8-Slot SAN Director Power Pack+, SN8000B 4-Slot SAN Director,SN8600B 4-Slot SAN Director Power Pack+, SN3000B 16Gb FCswitch,SN3600B 32Gb FCswitch,SN6000B 16Gb FCswitch,SN6500B 16Gb FCswitch, SN6650B 32Gb FCswitch,SN6600B 32Gb FCswitch,SN6700B 64Gb FCswitch, BladeSystem c-Class Brocade 8Gb SANswitch,BladeSystem c-Class Brocade 16Gb SANswitch, Synergy Brocade 16Gb SANswitch,Synergy Brocade 32Gb SANswitch	
performance	Auto-sensing,8,16,32,64 GbpsPort Speed 10 GbpsOptionally programmable to a fixed port speed of	
ISLTrunking	ISLMaximum per trunk8pieces64 GbpsFrame-based trunking on the port,ISLMaximum per trunk512 Gbps, DPSExchange-basedISLLoad balancing betweenFabric OSEquipped with, There is no limit to the number of trunk groups that can be configured within a switch.	
Fabric Latency	The inter-port delay is460 nsMinimize to (FEC), using cut-through frame switching	
Maximum Frame Size	2112Bytes Payload	
Class of Service	class2,class3,classF(Inter-switch frame)	
Port Type	Dport (diagnostic port),Eport,EXport,Fport, FPort andNPIVCorrespondingNControl the port (Access Gateway mode,option)	
USB	1Ports (for downloading system log files and firmware upgrades)	
Data Traffic Types	Fabric switches that support unicast	
Media Type	BFor seriesSFP(Small Form-Factor Pluggable)	
Fabric Services	Monitoring and Alerting Policy Suite (MAPS),Flow Vision,Fabric Performance Impact (FPI) Monitoring, Adaptive Networking (QoS),Slow Drain Device Quarantine (SDDQ),Dynamic Fabric Provisioning (DFP), Advanced Zoning (default zoning, port/WWN zoning, broadcast zoning, peer zoning, target-driven zoning), Dynamic Path Selection (DPS),Extended Fabrics,Enhanced BB credit recovery,FDMI,Frame Redirection, Frame-Based Trunking,FSPF,Integrated Routing,IPoFC,ISL Trunking,Management Server, NPIV,Time Server, registration status change notification (RSCN),Reliable Commit Service (RCS), Simple Name Server (SNS), Virtual Fabrics (Logical Switch, Logical Fabric),Read Diagnostics Parameter (RDP),FICON CUP	
option	SFPTransceivers, Fibre Channel cables, management software,USBmemory	
Support Software	HTTPS/HTTP,NTP v3,SNMP v1/v3 (FE MIB, FC Management MIB),SSH,Auditing,Syslog,Advanced Web Tools, HPE SANnav Management Software,HPE Network Orchestrator,EZ Switch,Command Line Interface (CLI), SMI-S compliant,REST API,Administrative Domains,trial licenses for add-on capabilities	
Management Access	10/100/1000 Ethernet (RJ-45),In-band over Fibre Channel, serial port (mini-USB),USBport	
diagnosis	D_PortElectrical/optical loopback for offline diagnostic functions,link traffic /Waiting time/distance, Flow mirroring, built-in flow generator, POSTand built-in online/offline diagnostics, environmental monitoring,FCpingandPathinfo (FC traceroute), Frame viewer, non-disruptive daemon restart,optics health monitoring,power monitoring, RAS trace logging,Rolling Reboot Detection (RRD)	
power supply	Rating:90~264 VAC (47 Hz – 63 Hz)	
Power consumption	264 W (56Fully equipped port,64 Gbps SWL(When using an optical transceiver)	
size(H×W×D)	4.4 cm×44 cm×35.6 cm	
weight	7.17 kg (power supplyFRUof2(Basic equipment, excluding transceivers)	
Form Factor	1U(From the back (cooling fan side) to the front (FCport side) Power supply from the rear),19inch,EIACompliance	1U(front(FCairflow from the port side to the rear (cooling fan side), Power supply from the rear),19inch,EIACompliance

*1:SFP-DDTo use the portFOS 9.1Requires

System Specifications

Product name	SN6700B 64Gb 56portFCswitch twenty four Port Active64Gb SFP56Attached Model	SN6700B 64Gb 56portFCswitchPort Side Intake twenty fourPort Active64Gb SFP56Attached Model
Product Number	R7M13A	R7M14A
Fibre Channel Port	physics56Port, Standardtwenty fourActive, Max48 SFP56+8 SFP-DD*1, Universal Port	
IncludedSFPtransceiver	B-series 64Gb SFP56short wavelengthSecuretransceiver,twenty fourpieces	
Certified Maximum Switch Configuration	maximum56Switches	
interoperability	SANswitch8/8,SANswitch8/24,8/8 SANswitch, 1606 Extension SAN Switch, SN4000B SAN Extension Switch, SN8000B 8-Slot SAN Backbone Director, SN8600B 8-Slot SAN Director Power Pack+, SN8000B 4-Slot SAN Director,SN8600B 4-Slot SAN Director Power Pack+, SN3000B 16Gb FCswitch,SN3600B 32Gb FCswitch,SN6000B 16Gb FCswitch,SN6500B 16Gb FCswitch, SN6650B 32Gb FCswitch,SN6600B 32Gb FCswitch,SN6700B 64Gb FCswitch, BladeSystem c-Class Brocade 8Gb SANswitch,BladeSystem c-Class Brocade 16Gb SANswitch, Synergy Brocade 16Gb SANswitch,Synergy Brocade 32Gb SANswitch	
performance	Auto-sensing,8,16,32,64 GbpsPort Speed 10 GbpsOptionally programmable to a fixed port speed of	
ISLTrunking	ISLMaximum per trunk8pieces64 GbpsFrame-based trunking on the port,ISLMaximum per trunk512 Gbps, DPSExchange-basedISLLoad balancing betweenFabric OSEquipped with, There is no limit to the number of trunk groups that can be configured within a switch.	
Fabric Latency	The inter-port delay is460 nsMinimize to (FEC), using cut-through frame switching	
Maximum Frame Size	2112Bytes Payload	
Class of Service	class2,class3,classF(Inter-switch frame)	
Port Type	Dport (diagnostic port),Eport,EXport,Fport, FPort andNPIVCorrespondingNControl the port (Access Gateway mode,option)	
USB	1Ports (for downloading system log files and firmware upgrades)	
Data Traffic Types	Fabric switches that support unicast	
Media Type	BFor seriesSFP(Small Form-Factor Pluggable)	
Fabric Services	Monitoring and Alerting Policy Suite (MAPS),Flow Vision,Fabric Performance Impact (FPI) Monitoring, Adaptive Networking (QoS),Slow Drain Device Quarantine (SDDQ),Dynamic Fabric Provisioning (DFP), Advanced Zoning (default zoning, port/WWN zoning, broadcast zoning, peer zoning, target-driven zoning), Dynamic Path Selection (DPS),Extended Fabrics,Enhanced BB credit recovery,FDMI,Frame Redirection, Frame-Based Trunking,FSPF,Integrated Routing,IPoFC,ISL Trunking,Management Server, NPIV,Time Server, registration status change notification (RSCN),Reliable Commit Service (RCS), Simple Name Server (SNS), Virtual Fabrics (Logical Switch, Logical Fabric),Read Diagnostics Parameter (RDP),FICON CUP	
option	SFPTransceivers, Fibre Channel cables, management software,USBmemory	
Support Software	HTTPS/HTTP,NTP v3,SNMP v1/v3 (FE MIB, FC Management MIB),SSH,Auditing,Syslog,Advanced Web Tools, HPE SANnav Management Software,HPE Network Orchestrator,EZ Switch,Command Line Interface (CLI), SMI-S compliant,REST API,Administrative Domains,trial licenses for add-on capabilities	
Management Access	10/100/1000 Ethernet (RJ-45),In-band over Fibre Channel, serial port (mini-USB),USBport	
diagnosis	D_PortElectrical/optical loopback for offline diagnostic functions,link traffic /Waiting time/distance, Flow mirroring, built-in flow generator, POSTand built-in online/offline diagnostics, environmental monitoring,FCpingandPathinfo (FC traceroute), Frame viewer, non-disruptive daemon restart,optics health monitoring,power monitoring, RAS trace logging,Rolling Reboot Detection (RRD)	
power supply	Rating:90~264 VAC (47 Hz – 63 Hz)	
Power consumption	264 W (56Fully equipped port,64 Gbps SWL(When using an optical transceiver)	
size(H×W×D)	4.4 cm×44 cm×35.6 cm	
weight	7.17 kg (power supplyFRUof2(Basic equipment, excluding transceivers)	
Form Factor	1U(From the back (cooling fan side) to the front (FCport side) Power supply from the rear),19inch,EIACompliance	1U(front(FCairflow from the port side to the rear (cooling fan side), Power supply from the rear),19inch,EIACompliance

*1:SFP-DDTo use the portFOS 9.1Requires

Highly available storage requiresSN6600B 32Gb FCI recommend the switch

3PAR StoreServ,MSAEven if you have high-availability storage such asSANIf the availability of switches, which are the core of the infrastructure, is poor, the storage performance and investment will be wasted.
SoHPEteeth,BSeriesSN6600B 32Gb FCI recommend a switch.
BSeriesFCThe switch has been used by many users for many years and is recommended for customers who value a proven track record.

SN6600B 32Gb FCThe switch includes hot-swappable power supplies and fans.2This is standard equipment for all units. Therefore, in terms of fault tolerance, even if one power supply or fan fails and stops, operation will continue on the other power supply. On the other hand, a single power switch will stop operation, increasing the risk of business interruption.
In addition, recovery work can be done quickly. With a single power switch, the chassis needs to be replaced, and the settings have to be re-set, which takes time to recover. On the other hand, with a single power switch, the power supply can be hot-swapped.SN6600B 32Gb FCThe switch can be quickly restored by replacing only the power supply unit.
SN6600B 32Gb FCThis resilience and rapid recovery allows the switch toSANThis increases the availability of your infrastructure and maximizes the fault tolerance of your storage.

Eliminated infrastructure vulnerabilities
High availabilitySANSystem completion

SN6600B 32Gb FCswitch

✓ Implementation track recordBseriesSANswitch

✓ Eliminate infrastructure vulnerabilities

✓ Maximize storage availability

✓ Maximize your investment

✓ Fast recovery

MSA
The controller and power supply/fan
Redundant as standard
Entry class
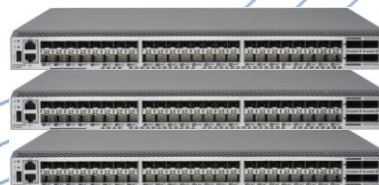
3PAR StoreServ
Virtualization & Utilities
Storage
Platform

《AE BV-IF Channel Switch Fit Sis Tem gi configuration
centre automation blood Fibre Channel Entry/Mid-range switch
Entry/Mid-range ClassBSeries Switch》

Fibre Channel Cable

Fibre Channel
Host Bus Adapter

SANFor switches

(Host Bus Adapter,SAN(for connecting switches and storage)

Multimode Fibre Channel Cable

OM3/OM4Multimode FC
Cable (Aqua Blue)

SFPFibre Channel Cable for Port

Fibre Channel cable (LC-LC)					
PremierFlex OM4cable			OM3cable		
Cable length	Model number	Price excluding tax	Cable length	Model number	Price excluding tax
1 m	QK732A	13,000circle	-	-	-
2 m	QK733A	17,000circle	2 m	AJ835A	14,000circle
5 m	QK734A	19,000circle	5 m	AJ836A	15,000circle
15 m	QK735A	24,000circle	15 m	AJ837A	19,000circle
30 m	QK736A	38,000circle	30 m	AJ838A	30,000circle
50 m	QK737A	61,000circle	50 m	AJ839A	50,000circle

QSFPFibre Channel Cable for Port

Fibre Channel cable (MPO/MPO)			Fibre Channel cable (MPO to 4xLC		
PremierFlex OM4cable			PremierFlex OM4cable		
Cable length	Model number	Price excluding tax	Cable length	Model number	Price excluding tax
1 m	Q1H63A	27,000circle	-	-	-
2 m	Q1H64A	41,000circle	-	-	-
5 m	Q1H65A	54,000circle	5 m	K2Q46A	110,000circle
15 m	Q1H66A	95,000circle	15 m	K2Q47A	190,000circle
30 m	Q1H67A	128,000circle	30 m	Q1H68A	212,000circle

SFP-DDFibre Channel Cable for Port

Fibre Channel cable (SN to SN)			Fibre Channel cable (SN to LC)		
PremierFlex OM4cable			PremierFlex OM4cable		
Cable length	Model number	Price excluding tax	Cable length	Model number	Price excluding tax
1 m	R8U68A	25,000circle	1 m	R8U73A	18,000circle
2 m	R8U69A	28,000circle	2 m	R8U74A	19,000circle
5 m	R8U70A	31,000circle	5 m	R8U75A	22,000circle
15 m	R8U71A	38,000circle	15 m	R8U76A	29,000circle
30 m	R8U72A	49,000circle	30 m	R8U77A	41,000circle

◆ Select the number of Fibre Channel cables required for connections between the server and the Fibre Channel switch, and between the Fibre Channel switch and the storage.

◆BladeSystem c-CalssforBrocade 4Gb/8Gb/16Gb SANFor Switch (all discontinued)BLServer andSANThis is unnecessary because the switches are internally connected.BladeSystem c-CalssforBrocade 4Gb/8Gb/16Gb SANSwitches (all discontinued) Select the number required for connections between external ports and storage.

◆ Fibre ChannelPremierFlexThe cable is a more powerful cable than conventional cables and has the following features:
   High flexibility makes it easier to handle (recommended radius15mmbut2mm2)
   ・OM4teeth4700 MHzProvides high-speed signal transmission with excellent bandwidth (PremierFlexNotOM3The cable is2000 MHz)・Signal transmission quality when bent10Double improvement

◆ Long wave Fibre Channel cableHPEIt is not provided by.

Fibre Channel Switch

Fibre Channel Transceiver

BFor series switches

SFPtransceiver

By switchSFP/SFP+transceiver

	Product name	Model number	Price excluding tax
32Gb/s For switches	16Gbshort wavelengthB-Series SFP+transceiver*1*3*4	QK724A	50,000circle
	B-series 16Gb SFP+short wavelength1-pack Securetransceiver*1*2*5	R6B10A	191,000circle
	B-series 16Gb SFP+short wavelength8-pack Securetransceiver*1*2	R6W28A	1,368,000circle
	B-series 32Gb SFP28short wavelength1-pack Securetransceiver*1*2*7	R6B12A	264,000circle
	B-series 32Gb SFP28short wavelength8-pack Securetransceiver*1*2	R6W26A	2,014,000circle
	B-series 32Gb SFP28long wavelength10km 1-pack Securetransceiver*1*2	R6B13A	868,000circle
	B-series 32Gb SFP Extendedlong wavelength25km 1-pack Securetransceiver*1*2	R7M17A	3,631,000circle
	B-series 10Gb SFP+short wavelength1-pack Securetransceiver*2	R6B14A	199,000circle
	B-series 10Gb SFP+long wavelength10km 1-pack Securetransceiver*2	R6B15A	633,000circle
	B-series 4x32Gb QSFP28short wavelength100m 1-pack Securetransceiver*2	R6B20A	2,492,000circle
	B-series 32Gb SFP28 Extendedlong wavelength25km 1-pack Securetransceiver*2*8	R9S31A	5,046,000circle
64Gb/s For switches	B-series 32Gb SFP28short wavelength1-pack Securetransceiver*7*8	R6B12A	264,000circle
	B-series 32Gb SFP28short wavelength8-pack Securetransceiver*8	R6W26A	2,014,000circle
	B-series 32Gb SFP28long wavelength10km 1-pack Securetransceiver*8	R6B13A	868,000circle
	B-series 32Gb SFP Extendedlong wavelength25km 1-pack Securetransceiver*8	R7M17A	3,631,000circle
	B-series 10Gb SFP+short wavelength1-pack Securetransceiver*8	R6B14A	199,000circle
	B-series 10Gb SFP+long wavelength10km 1-pack Securetransceiver*8	R6B15A	633,000circle
	B-series 64Gb SFP56short wavelength1-pack Securetransceiver*8*9*10	R7M15A	650,000circle
	B-series 64Gb SFP56short wavelength8-pack Securetransceiver*8	R7M16A	4,729,000circle
	B-series 64Gb SFP56 Extendedlong wavelength25km 1-pack Securetransceiver*8	R9S28A	6,810,000circle
	B-series 64Gb SFP56long wavelength10km 1-pack Securetransceiver*8	R9S29A	2,121,000circle
	B-series 64Gb SFP56long wavelength10km 8-pack Securetransceiver*8	R9S30A	15,396,000circle

*Gray color is limited stock
*1:the below described32Gb/sUsed with switches.
   SN3600BAll models
*2:the below described32Gb/sUsed with switches.
   SN6600BAll models
*3:the below described32Gb/sUsed with switches.
   SN6600Bof,R6V47AandQ0U58CModels other than *4:
SN3600B (R4G55A#05Y)to8Standard attachment
*5:SN3600B (R4G55B)to8piece,SN3600B (R8P29A)totwenty fourpiece,SN6600B (R6V47A)totwenty fourpiece,
   SN6600B 16Gb SFPIncluded12Port Upgrade License Kit (R6V48A)to12piece, SN3600B 16Gb SFP
   Included8Port Upgrade License Kit (R7M10A)to8Standard attachment
*6:SN6600B (Q0U58B#05Y / Q0U59B#05Y)totwenty fourpiece,SN6600B (Q0U60B#05Y / Q0U61B#05Y)to48Standard attachment *7:SN3600B
(R7R97A)to8piece,SN3600B (R8P28A)totwenty fourpiece,SN6600B (Q0U58C),SN6700B(R6B05A / R6B06A)totwenty fourpiece,
   SN3600B 32Gb SFP28Included8Port Upgrade License Kit (R7M09A)to8piece, SN6600B 32Gb SFP
   Included12Port Upgrade License Kit (R6V49A)to12piece, SN6700B 32Gb SFP28Included8Port Upgrade
   License Kit (R6B09A)to8Standard attachment *8:the below described64Gb/sUsed with switches.

   SN6700BAll models
*9:SN6700B (R7M13A / R7M14A)totwenty fourStandard attachment
*10:SN6700B 64Gb SFP56Included8Port Upgrade License Kit (R7M18A)to8Standard attachment

SFPtransceiver

◆32Gb/sFor Switch16Gb SFPteeth4,8,16GbSupports:32Gb SFPteeth8,16,32GbSupports:
◆64Gb/sFor Switch32Gb SFPteeth8,16,32GbSupports:
◆64Gb/sFor Switch64Gb SFPteeth16,32,64GbSupports:
◆32Gb/sswitch /64Gb/sFor Switch10Gb SFPteeth10Gb/sOnly supported for switch-to-switch communication.
◆SANThe number of Fibre Channel cables connected to the switchSFPA walkie-talkie is required.
◆SFPThe transceiverSANRequired for each port on the switch.

BFor series switches

SFP-DDtransceiver

SFP-DDtransceiver

	Product name	Model number	Price excluding tax
64Gb/sswitch SPF-DDFor port	B-series 64Gb SFP56-DD SN SR 1-pack Securetransceiver*1*2	R8U66A	2,249,000circle
	B-series 64Gb SFP56-DD SN SR 8-pack Securetransceiver*1	R8U67A	16,356,000circle

*1:SN6700BAll modelsSPD-DDCan be used in ports. Primarily for spare use.
*2:SN6700B 64Gb SFP56-DDIncluded16Port Upgrade License Kit (R8U65A)to8Standard attachment

◆SFP-DD (Double Density)The port isSFP56connector1Secondly2BookFCIt is a double density transmission standard that allows for pluggable cables.
◆64Gb/sFor Switch64Gb SFP56-DDThe transceiver isSFF-DDPort connection only,1With one transceiver2BookSNTypeFCYou can plug in the cable.1one SFP56-DDBy walkie-talkie2You can create two Fibre Channel links (fabrics).
◆64Gb/sswitchSN6700BinSFP-DDTo use the port,SN6700B 64Gb SFP56-DDIncluded16Port Upgrade License Kit (R8U65A) Therefore,SFP-DDThe port must be activated.SFP-DDTo use the portFOS 9.1or later)In addition, the same upgrade license kit (R8U65A)to8pieces64Gb SFP56-DD SN SRA transceiver is included, soSFP56-DDThere is no need to purchase a transceiver. The above is basically a spare.

Fibre Channel Switch

32GbFibre Channel Switch

◆**SN3600B 32Gb 24portFCThe switch has100VPower cord not included. Please select from the power cord options below as needed.**
◆SN3600B 32Gb 24portFCOn the switch,200VFor (IEC320 C13-C14,2.4m)The power cord1This standard attachment
◆For power cords other than the standard ones, please refer to the power cord options below.

SN3600B 32Gb 24portFCswitch (8Port Active)

SN3600B 32Gb 24portFCswitch
8Port Active16Gb SFP+Attached model (1U)
R4G55B 1,429,000circle(Price excluding tax)

*32Gb/sSupported ports8Standard equipment *16Gb/scorrespondenceSFP+ transceiver8Standard attachment *32Gb/s,16Gb/s,8Gb/s,4Gb/sSupports (automatic switching) *SAN Full FabricSupport *200V PDUPower cord for connection1*Rack mount kit included as standard (HPE(Compatible with the Fujitsu rack series) *The following software is included as standard

Frame Filtering,Advanced Zoning,Web Tools,Adaptive Networking * SN6600B(R6V47A,Q0U58C),SN6700BWhen cascading with FOS 8.1or later is required.

SN3600B 16Gb SFPIncluded8Port
Upgrade License Kit
R7M10A 1,373,000circle(Price excluding tax)

*Number of active ports8from16to, or16fromtwenty fourUpgrade to *B-series 16Gb SFP+short wavelengthSecuretransceiver8Standard attachment

SN3600B 32Gb SFP28Included8Port
Upgrade License Kit
R7M09A 2,115,000circle(Price excluding tax)

*Number of active ports8from16to, or16fromtwenty fourUpgrade to *B-series 32Gb SFP28short wavelengthSecuretransceiver8Standard attachment

SN3600B 8portFCUpgrade Entitlement
Q1Z10A 880,000circle(Price excluding tax)

*Limited stock
*Number of active ports8from16to, or16fromtwenty fourUpgrade to

BFor series4GB USBmemory N9Y63A
50,000circle(Price excluding tax)

*USBDownloading system log files from a port
Used for firmware upgradesUSBmemory

SN3600B 32Gb 24portFCswitch
8Port Active32Gb SFP28Attached model (1U)
R7R97A 2,022,000circle(Price excluding tax)

*32Gb/sSupported ports8Standard equipment
*32Gb/scorrespondenceSFP28transceiver8Standard attachment *32Gb/s,16Gb/s ,8Gb/s,4Gb/sSupports (automatic switching) *SAN Full FabricSupport *200V PDU Power cord for connection1*Rack mount kit included as standard (HPE (Compatible with the Fujitsu rack series) *The following software is included as standard

Frame Filtering,Advanced Zoning,Web Tools,Adaptive Networking * SN6600B(R6V47A,Q0U58C),SN6700BWhen cascading with FOS 8.1or later is required.

For Fibre Channel switches software
(not required)

SN3600B 32Gb 24portFCswitch
(8Port Active)

◆ Fibre Channel switch software requires a license for each switch.
◆Fabric OSThe software included as standard varies depending on the version.Fabric OSPlease refer to the release notes.
◆Full fabricAboutSAN Design Reference Guide (Please refer to the English version.
◆ When installing the switch in a rack, make sure to mount it on the front side (FCThe rear of the rack is facing the port side. The airflow is from the rear of the switch to the front (FCport side).

◆ **SN3600B 32Gb 24portFCThe switch has100VPower cord not included. Please**
select from the power cord options below as needed.
◆SN3600B 32Gb 24portFCOn the switch,200VFor (IEC320 C13-C14,2.4m)The power cord1This standard attachment
◆For power cords other than the standard ones, please refer to the power cord options below.

SN3600B 32Gb 24portFCswitch
PowerPack+ (24Port Active (cont.)

SN3600B 32Gb 24portFCswitchtwenty fourPort Active
PowerPack+ 16Gb SFP+Attached model (1U)
R8P29A 4,396,000circle(Price excluding tax)

*32Gb/sSupported portstwenty fourStandard equipment
*16Gb/scorrespondenceSFP+transceivertwenty fourStandard attachment *
32Gb/s,16Gb/s,8Gb/s,4Gb/sSupports (automatic switching) *SAN Full Fabric
Support *200V PDUPower cord for connection1*Rack mount kit included as
standard (HPE(Compatible with the Fujitsu rack series) *The following software
is included as standard

Frame Filtering,Advanced Zoning,Web Tools,Adaptive Networking Power
Pack+ (Fabric Vision,Extended Fabric,ISL Trunking *SN6600B(R6V47A,
Q0U58C),SN6700BWhen cascading with
FOS 8.1or later is required.

BFor series4GB USBmemory N9Y63A

50,000circle(Price excluding tax)

*USBDownloading system log files from a port
Used for firmware upgradesUSBmemory

SN3600B 32Gb 24portFCswitchtwenty fourPort Active
PowerPack+ 32Gb SFP28Attached model (1U)
R8P28A 5,529,000circle(Price excluding tax)

*32Gb/sSupported portstwenty fourStandard equipment
*32Gb/scorrespondenceSFP28transceivertwenty fourStandard attachment *
32Gb/s,16Gb/s,8Gb/s,4Gb/sSupports (automatic switching) *SAN Full Fabric
Support *200V PDUPower cord for connection1*Rack mount kit included as
standard (HPE(Compatible with the Fujitsu rack series) *The following software
is included as standard

Frame Filtering,Advanced Zoning,Web Tools,Adaptive Networking Power
Pack+ (Fabric Vision,Extended Fabric,ISL Trunking *SN6600B(R6V47A,
Q0U58C),SN6700BWhen cascading with
FOS 8.1or later is required.

For Fibre Channel switches
software
(not required)

SW

SN3600B 32Gb 24portFCswitch
PowerPack+ (24Port Active)

◆ Fibre Channel switch software requires a license for each switch.
◆Fabric OSThe software included as standard varies depending on the version.Fabric OSPlease refer to the release notes.
◆Full fabricAbout<u>SAN Design Reference Guide</u> (Please refer to the English version.)
◆ When installing the switch in a rack, make sure to mount it on the front side (FCThe rear of the rack is facing the port side. The airflow is from the rear of the switch to the front (FCport side).

Fibre Channel Switch

◆**SN6700B 64Gb 56portFCThe switch has100VPower cord not included. Please select from the power cord options below as needed.**
◆SN6700B 64Gb 56portFCOn the switch,200VFor (IEC320 C13-C14,2m)The power cord2This standard attachment.
◆For power cords other than the standard ones, please refer to the power cord options below.

SN6700B 64Gb 56portFCswitchtwenty fourPort Active32Gb SFP28Attached Model

```
SN6700B 64Gb 56portFCswitch
twenty fourPort Active32Gb SFP28Attached model (1U)
R6B05A 6,122,000circle(Price excluding tax)
```

For Fibre Channel switches software (not required)

*64Gb/scorrespondenceSFP+Port ×48+SFP56-DDPort ×8Comes as standard equipment *24FCPorts are standard active ports
*B-series 32Gb SFP28short wavelength1-pack SecureWalkie-talkietwenty fourStandard attachment *64Gb/s,32Gb/s,16Gb/s,8Gb/sSupports (automatic switching),
   10Gb/sis supported for switch-to-switch connections (10Gb/scorrespondenceSFP(Transceiver required) *SAN Full Fabric*Rack rail kit included as standard (HPE(Compatible with the Fujitsu rack series) *The following software is included as standard

   Frame Filtering,Advanced Zoning,Web Tools,In-flight Encryption,In-flight Compression,Adaptive Networking, Fabric Vision and IO Insight,Extended Fabric,ISL Trunking,Integrated Routing,Ficon CUP ISL Trunking *FOS 9.0Only supported fromSFP-DDTo use the portFOS 9.1Requires

```
SN6700B 32Gb SFP28Included
8Port Upgrade License Kit
R6B09A 2,017,000circle(Price excluding tax)
```

*Number of active ports8Upgrade kit for adding ports
   maximum48Upgradeable to ports
*B-series 32Gb SFP28short wavelength1-pack Securetransceiver8Standard attachment

```
SN6700B 64Gb SFP56Included
8Port Upgrade License Kit
R7M18A 2,791,000circle(Price excluding tax)
```

*Number of active ports8Upgrade kit for adding ports
   maximum48Upgradeable to ports
*B-series 64Gb SFP56short wavelength1-pack Securetransceiver8Standard attachment

```
SN6700B SFP56-DDIncluded
16Port Upgrade License Kit
R8U65A 10,871,000circle(Price excluding tax)
```

*SDP-DD 8Port16FCPort activation for additional ports
   (Upgrade) Kit
*B-series SFP56-DD SN SR 1-pack Securetransceiver8Standard attachment

```
BFor series4GB USBmemory N9Y63A
50,000circle(Price excluding tax)
```

*USBDownloading system log files from a port
   Used for firmware upgradesUSBmemory

```
SN6700B 64Gb 56portFCswitchPort Side Intake
twenty fourPort Active32Gb SFP28Attached model (1U)
R6B06A 6,122,000circle(Price excluding tax)
```

*A model designed to take in air from the front of the case and exhaust it to the rear.FCThe switch and airflow are reversed. *64Gb/scorrespondenceSFP+Port ×48+SFP56-DDPort ×8Comes as standard equipment *24FCPorts are standard active ports

*B-series 32Gb SFP28short wavelength1-pack SecureWalkie-talkietwenty fourStandard attachment *64Gb/s,32Gb/s,16Gb/s,8Gb/sSupports (automatic switching),
   10Gb/sis supported for switch-to-switch connections (10Gb/scorrespondenceSFP(Transceiver required) *SAN Full Fabric*Rack rail kit included as standard (HPE(Compatible with the Fujitsu rack series) *The following software is included as standard

   Frame Filtering,Advanced Zoning,Web Tools,In-flight Encryption,In-flight Compression,Adaptive Networking, Fabric Vision and IO Insight,Extended Fabric,ISL Trunking,Integrated Routing,Ficon CUP ISL Trunking *FOS 9.0Only supported fromSFP-DDTo use the portFOS 9.1Requires

SN6700B 64Gb 56portFCswitch twenty four Port Active32Gb SFP28Attached Model

◆ Fibre Channel switch software requires a license for each switch.
◆Fabric OSThe software included as standard varies depending on the version.Fabric OSPlease refer to the release notes.
◆Full fabricAboutSAN Design Reference Guide (Please refer to the English version.

◆**SN6700B 64Gb 56portFCThe switch has100VPower cord not included. Please select from the power cord options below as needed.**

◆SN6700B 64Gb 56portFCOn the switch,200VFor (IEC320 C13-C14,2m)The power cord2This standard attachment.

◆For power cords other than the standard ones, please refer to the power cord options below.

SN6700B 64Gb 56portFCswitchtwenty fourPort Active64Gb SFP56Attached Model

---
SN6700B 64Gb 56portFCswitch

twenty fourPort Active64Gb SFP56Attached model (1U)

R7M13A 7,863,000circle(Price excluding tax)

For Fibre Channel switches software
(not required)

[SW]

*64Gb/scorrespondenceSFP+Port ×48+SFP56-DDPort ×8Comes as standard equipment *24FCPorts are standard active ports

*B-series 32Gb SFP28short wavelength1-pack SecureWalkie-talkietwenty fourStandard attachment *64Gb/s,32Gb/s,16Gb/s,8Gb/sSupports (automatic switching),

10Gb/sis supported for switch-to-switch connections (10Gb/scorrespondenceSFP(Transceiver required) *SAN Full Fabric*Rack rail kit included as standard (HPE(Compatible with the Fujitsu rack series) *The following software is included as standard

Frame Filtering,Advanced Zoning,Web Tools,In-flight Encryption,In-flight Compression,Adaptive Networking, Fabric Vision and IO Insight,Extended Fabric,ISL Trunking,Integrated Routing,Ficon CUP ISL Trunking *FOS 9.0Only supported fromSFP-DDTo use the portFOS 9.1Requires

---
SN6700B 32Gb SFP28Included

8Port Upgrade License Kit

R6B09A 2,017,000circle(Price excluding tax)
---

*Number of active ports8Upgrade kit for adding ports maximum48Upgradeable to ports

*B-series 32Gb SFP28short wavelength1-pack Securetransceiver8Standard attachment

---
SN6700B 64Gb SFP56Included

8Port Upgrade License Kit

R7M18A 2,791,000circle(Price excluding tax)
---

*Number of active ports8Upgrade kit for adding ports maximum48Upgradeable to ports

*B-series 64Gb SFP56short wavelength1-pack Securetransceiver8Standard attachment

---
SN6700B SFP56-DDIncluded

16Port Upgrade License Kit

R8U65A 10,871,000circle(Price excluding tax)
---

*SDP-DD 8Port16FCPort activation for additional ports (Upgrade) Kit

*B-series SFP56-DD SN SR 1-pack Securetransceiver8Standard attachment

---
BFor series4GB USBmemory N9Y63A

50,000circle(Price excluding tax)
---

*USBDownloading system log files from a port Used for firmware upgradesUSBmemory

---
SN6700B 64Gb 56portFCswitchPort Side Intake

twenty fourPort Active64Gb SFP56Attached model (1U)

R7M14A 7,863,000circle(Price excluding tax)
---

*A model designed to take in air from the front of the case and exhaust it to the rear.FCThe switch and airflow are reversed. *64Gb/s correspondenceSFP+Port ×48+SFP56-DDPort ×8Comes as standard equipment *24FCPorts are standard active ports

*B-series 32Gb SFP28short wavelength1-pack SecureWalkie-talkietwenty fourStandard attachment *64Gb/s,32Gb/s,16Gb/s,8Gb/sSupports (automatic switching),

10Gb/sis supported for switch-to-switch connections (10Gb/scorrespondenceSFP(Transceiver required) *SAN Full Fabric*Rack rail kit included as standard (HPE(Compatible with the Fujitsu rack series) *The following software is included as standard

Frame Filtering,Advanced Zoning,Web Tools,In-flight Encryption,In-flight Compression,Adaptive Networking, Fabric Vision and IO Insight,Extended Fabric,ISL Trunking,Integrated Routing,Ficon CUP ISL Trunking *FOS 9.0Only supported fromSFP-DDTo use the portFOS 9.1Requires

SN6700B 64Gb 56portFCswitch twenty four Port Active64Gb SFP56Attached Model

◆ Fibre Channel switch software requires a license for each switch.

◆Fabric OSThe software included as standard varies depending on the version.Fabric OSPlease refer to the release notes.

◆Full fabricAbout[SAN Design Reference Guide](#) (Please refer to the English version.

Fibre Channel Switch

Fibre Channel Switch Software [SW]

fiber channel switch → **Fibre Channel Switch License**

*This is not a required option.

→ Maintenance Services

Product name	Model number	Price excluding tax	SN3600B	SN3600B Power Pack+	SN6700B	remarks
License package product						
Power Pack+ software package	Please contact us separately.		○ ●			・ISL Trunking,Extended fabric,Fabric VisionSoftware set
	Please contact us separately					
Management software						
HPE SANnav Management Software	Please contact us separately		○ ○		○	・Bfor integrated management of fabrics consisting of series switches Client-Server Software ・GUIIntegrated configuration management, topology management, incident management, performance management, Call HomeProvides functionality ・RHELorCentOSA separate server is required. ・GUIThe client isHTML5Compatible web browsers (FireFox/Chromeetc.)
Features of each license						
ISL Trunking Usage Rights	SANIn order to achieve high throughput,8GbThe switch is up to8Grouping ports64Gb/slink,16GbThe switch is up to8Group the ports 128Gb/slink,32GbThe switch is up to8port(SFP+)or2port(QSFP)Group the256Gb/sSoftware license for the switch to configure the link (4GbThe switch is up to4port16Gb/s)					
Extended Fabric Usage Rights	Wavelength division multiplexing transmission device (WDM)etc.FCA switch software license required when connecting to a remote switch using a protocol-transparent transmission device.10kmEnd100kmDepending on the specifications of the transmission equipment, it is possible to connect at a distance ofSFPtransceiver, 9Micron-core single-mode fiber may be required.					
Fabric Watch Usage Rights	Switch software license that provides notification of switch failures and proactive maintenance (Fabric OS 7.4From now onFabric Vision					
Advanced Performance MonitorUsage Rights	Server/storage on the switchEnd-to-EndSwitch software license (Fabric OS 7.4From now onFabric Vision					
Adaptive Networking Usage Rights	Guaranteed bandwidth for specific communications (QoS)Switch software license for defining bandwidth, transfer rate limits, and preferred paths (Fabric OS 7.2(It will be standard equipment from now on.)					
Server Application Optimization Usage Rights	VMVirtual servers andSN1000Q HBAOptimize communication betweenQoS)Software license to (Fabric OS 7.2(It will be standard equipment from now on.)					

*Gray color is limited stock
● ···Standard equipment ○ ···Optional

◆ For Fibre Channel switch software, a license is required for each switch. (HPE SANnav Management SoftwarePlease contact us for more information.)

Common Options

Power cord

ACPower Cord Options

◆ For power cords other than the standard ones, please select from the table below.

100VforC13 – NEMA 5-15PPower cord		
2m,black	AF572A	2,000circle
200VforC13-14power cable		
4.5feet (1.35m),black	142257-006	2,000circle
2m,black	A0K02A	2,000circle
2m,gray	AF573A	3,000circle
10feet (3m),black	142257-003	2,000circle
200VforC13 – NEMA 6-15PPower cord		
3.6m,black	A0N33A	6,000circle

*Prices in this table do not include tax.

Support Services

Installation Services

Installation Services

		Products covered by this service	ApplicableHPEInstallation Services		
			Service Product Name (Standard time for hardware installation)	service Product Number	Price excluding tax
Bseries (SN3600B)	R4G55B	SN3600B 32Gb 24portFCswitch 8Port Active 16Gb SFP+Attached Model	SANFor switch box type	U5988E	57,500circle
	R7R97A	SN3600B 32Gb 24portFCswitch 8Port Active 32Gb SFP28Attached Model			
	R8P29A	SN3600B 32Gb 24portFCswitchtwenty fourPort ActivePowerPack+ 16Gb SFP+Attached Model			
	R8P28A	SN3600B 32Gb 24portFCswitchtwenty fourPort ActivePowerPack+ 32Gb SFP28Attached Model			
Bseries (SN6700B)	R6B05A	SN6700B 24Port Active32Gb SFP28Attached Model	SANFor switch box type	U5988E	57,500circle
	R6B06A	SN6700B Port Side Intake 24Port Active 32Gb SFP28Attached Model			
	R7M13A	SN6700B 64Gb 56portFCswitch twenty fourPort Active64Gb SFP56Attached Model			
	R7M14A	SN6700B 64Gb 56portFCswitchPort Side Intake 24Port Active64Gb SFP56Attached Model			

◆The work involves the following:
  - Racking and cabling to the switch (not including routing or wiring)
  - Power Pack+If software is included, license application will be carried out.
◆Installation service hours
  Monday to Friday/8:45~17:30 ((Excluding public holidays, weekends, and the New Year holidays) If you wish to have the service performed
  outside of the above hours, an overtime fee will be charged. Please contact us separately.

SANSwitch Settings Startup Services

			ApplicableHPEStartup Services		
		Products covered by this service	Service Product Name (Standard time for hardware installation)	service Product Number	Price excluding tax
Number of ports implemented96Port and belowHPEMadeSANSwitch Products					
Bseries (SN3600B)	R4G55B	SN3600B 32Gb 24portFCswitch 8Port Active 16Gb SFP+Attached Model	Start-up Standard Time SANSwitch Settings Box typeSANswitch twenty fourFor ports below	U1XZ8E	230,000circle
	R7R97A	SN3600B 32Gb 24portFCswitch 8Port Active 32Gb SFP28Attached Model			
	R8P29A	SN3600B 32Gb 24portFCswitchtwenty fourPort ActivePowerPack+ 16Gb SFP+Attached Model			
	R8P28A	SN3600B 32Gb 24portFCswitchtwenty fourPort ActivePowerPack+ 32Gb SFP28Attached Model			
Bseries (SN6700B)	R6B05A	SN6700B 24Port Active 32Gb SFP28Attached Model	Start-up Standard Time SANSwitch Settings Box type HPE SANswitch implementation49~96For ports below	U7PD3E	460,000circle
	R6B06A	SN6700B Port Side Intake 24Port Active 32Gb SFP28Attached Model			
	R7M13A	SN6700B 64Gb 56portFCswitch twenty fourPort Active64Gb SFP56Attached Model			
	R7M14A	SN6700B 64Gb 56portFCswitch Port Side Intake twenty fourPort Active64Gb SFP56Attached Model			

◆HPEWhen connecting Fibre Channel between a disk array and a server product manufactured byHPEMadeSANThis is a service product that performs configuration work on switch products. By purchasing and requesting this service in conjunction with the above installation service,SANFrom hardware installation of switch productsSANWe even handle the setup work.

◆HPEMadeSANThis applies when installing new switch products (box-type entry/mid-range class as mentioned above).

◆Service targetHPEMadeSANSwitch Products1Supported service products for each unit1You need pieces.

◆This service applies toHPEInstallation Services Requires sales and service requests in conjunction with hardware installation.

◆This service is applicableSANThe operating environment for the connected server and the connected disk array are as follows:

Connected Server   HardwareIntegrity Server,ProLiant Server

Connection Server   operating systemHP-UX,Microsoft Windows Server,Red Hat Enterprise Linux,VMware ESXi

Disk arrays (all Fibre ChannelSAN(applies to connections via   3PAR StoreServseries,StoreVirtualseries,MSAseries

Other Fibre ChannelSANConnected products Tape autoloader,MSLTape libraries,Storage File Controller

◆The work involves the following:

- Customer specifiedSANChecking requirements for build settings
- SANSwitch product basic settings
  Management Port Network Settings (IPaddress,Network Mask,SANSwitch name setting,Domain IDsetting
- SANSwitch product option license (Power Pack+Application support and registration of bundled software
- SANSwitch port settings (type, speed),SANZoning settings,SNMPNotification settings,Inter Switch LinkSettings (including trunking)
- SANGet switch configuration information
- Connection confirmation attendance
- SANSwitch SettingsSANConnection configuration diagramSANSwitch configuration file submission

◆Service hours

Monday to Friday/8:45~17:30 ((Excluding public holidays, weekends, and the New Year holidays) If you wish to have the service performed outside of the above hours, an overtime fee will be charged. Please contact us separately.
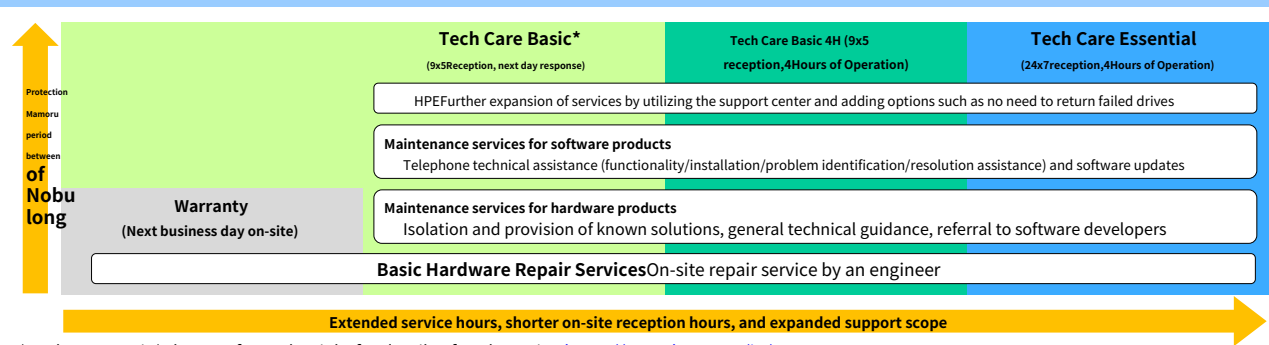
Fibre Channel Switch

Maintenance Services

Standard warranty:

◆ Hardware standard warranty1Year parts warranty,1Annual next business day onsite service.
however,SN3600B (Q1H70A#05Y / Q1H71A#05Y / Q1H72A#05Y),SN6600B (Q0U54A#ACF / Q0U58A#ACF / Q0U55A#ACF / Q0U59A#ACF / Q0U56A#ACF / Q0U60A#ACF / Q0U57A#ACF / Q0U61A#ACF),SN6700Bteeth3Year parts warranty,3Annual next business day on-site service; SN3600B (R7R97A, R4G55B,R8P29A,R8P28A)The lifetime warranty is valid until the product is discontinued.5Year parts warranty,3Annual next business day onsite service.

3After one year has passed, after receiving the repair request,HPEWe will send the parts to you, and after you have replaced them, you will be asked to return the defective parts.HPE(Return instructions will be included with the replacement part.)

◆ Repair reception hours, diagnostic service hours, and on-site service hours are Monday to Friday.9:00-17:00((Excluding public holidays and the New Year holidays)

◆ If you require urgent support,HPEPurchase maintenance services below.

◆HPEFor details of maintenance services, please see the support services on the right.WebPlease refer to the website.https://www.hpe.com/jp/ja/services/availability.html

---

Tech Care

HPEMaintenance service lineup: Helping customers choose the maintenance service that best suits them

		Tech Care Basic* (9x5Reception, next day response)	Tech Care Basic 4H (9x5 reception,4Hours of Operation)	Tech Care Essential (24x7reception,4Hours of Operation)
Protection Mamoru period between **of Nobu long**			HPEFurther expansion of services by utilizing the support center and adding options such as no need to return failed drives	
		Maintenance services for software products Telephone technical assistance (functionality/installation/problem identification/resolution assistance) and software updates		
	Warranty (Next business day on-site)	**Maintenance services for hardware products** Isolation and provision of known solutions, general technical guidance, referral to software developers		
		Basic Hardware Repair Services On-site repair service by an engineer		

Extended service hours, shorter on-site reception hours, and expanded support scope

*Tech Care Basic*Please refer to the right for details of each service.https://www.hpe.com/jp/ supportservices-proliant

Comparison of each service's content

Support Content	Product warranty	Tech Care Basic *1 Tech Care Basic 4H*1	Tech Care Essential *1
Failure prevention service/proactive service			
General Technical Guidance	✕	○	○
Video Library	✕	○	○
Expert forum support	✕	○	○
HPESupport Center4One dashboard*2,3	✕	○	○
Reactive services			
Initial response to serious problems	✕	✕	15Within minutes*4
Automatic reporting*5	○	○	○
Maintenance services for software products			
License for new versions	✕	○	○
Phone support for installation instructions	After purchase90days*6	○	○
Functional and operational support	✕	○	○
Providing known software solutions	✕	○	○
Escalation to the software vendor	✕	○	○
Maintenance services for hardware products			
On-site response time:4Time-sensitive options	✕	○	○
Service hours:24x7option	✕	✕	○
Service period extension:4year/5year/6year/7Year Options	✕	○	○
No need to return failed drives option	✕	○	○
Remote fault diagnosis and support	○	○	○
On-site support	○ *7	○	○
Parts provision	○	○	○
Online Remote Support	○	○	○
Hardware,ISVSoftware fault isolation assistance*6	✕	○	○
Providing known software solutions*6	✕	○	○
Sending investigation requests to software vendors*6	✕	○	○

*1: For some storage products, we provide software and hardware as a service.2To use the service:HPEYou will need a link to your support contract from the Support Center.
　　For details, see the rightWebPlease refer to the website.https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-c04070658
*3: The target software product isMicrosoft Windows Server,Red Hat Enterprise Linux,SUSE Linux Enterprise Server,VMware vSphere ESX/ESXiis.
　　For details, see the rightWebPlease refer to the website.https://www.hpe.com/jp/supportlist-sw
*4: Incident severity level is Severity1We will only respond when there is a significant business impact.
*5: A remote support tool (GreenLake for Compute Ops Management,OneViewRemote support,Insight Remote Support,
　　3PARRemote support is required. Proactive services are delivered remotely using remote support tools, email, orFTP, provided via telephone etc.6:ProLiantThis service is limited to servers and is not available for storage products.HPEinOEMI'm sellingMicrosoft,SUSE,Red Hat,
　　VMwareandInsightSoftware, etc.HPEIf necessary, we will make a request to the software developer on your behalf.SUSE,Red Hat, VMwareFor details, see the rightWebPlease refer to the website.https://www.hpe.com/jp/supportlist-sw
*7: Only for products with on-site warranty. For details, see the rightWebPlease refer to the website.https://www.hpe.com/jp/supportservices-proliant

Fibre Channel Switch

FCFor the switch bodyTech Care

Products covered by this service		service Product name	Service Hours	Years	service Product Number	Price excluding tax
R4G55B	SN3600B 32Gb 24port FC switch 8Port Active 16Gb SFP+Attached Model	HPE Tech Care Basic 4H SN3600B 32Gb 24port FC switch 8Port Active 16Gb SFP+For included models	9×5	3year	HX2V0E	13,500circle
				4year	HX2V8E	52,200circle
				5year	HX2W6E	90,800circle
		HPE Tech Care Essential SN3600B 32Gb 24port FC switch 8Port Active 16Gb SFP+For included models	24x7	3year	HX2V2E	34,800circle
				4year	HX2W0E	80,500circle
				5year	HX2W8E	126,100circle
R7R97A R8P28A R8P29A	SN3600B 32Gb 24port FC switch 8Port Active 32Gb SFP28Attached Model SN3600B 32Gb 24port FC switch twenty fourPort Active PowerPack+ 32Gb SFP28Attached Model SN3600B 32Gb 24port FC switch twenty fourPort Active PowerPack+ 16Gb SFP+Attached Model	HPE Tech Care Basic 4H SN3600B FCswitch SFPFor included models	9×5	3year	HX2M3E	76,400circle
				4year	HX2N1E	138,000circle
				5year	HX2N9E	199,600circle
		HPE Tech Care Essential SN3600B FCswitch SFPFor included models	24x7	3year	HX2M5E	108,500circle
				4year	HX2N3E	180,600circle
				5year	HX2P1E	252,800circle

twenty four

FCFor the switch bodyTech Care

Products covered by this service	service Product name	Service Hours	Years	service Product Number	Price excluding tax
R6B05A SN6700B 64Gb 56port FC switch twenty fourPort Active 32Gb SFP28Attached Model	HPE Tech Care Basic 4H SN6700B 64Gb 56portFCswitch twenty fourPort Active 32Gb SFP28For included models	9×5	3year	HU8Z7E	435,000circle
			4year	HU9A5E	835,800circle
			5year	HU9B3E	1,236,400circle
	HPE Tech Care Essential SN6700B 64Gb 56portFCswitch twenty fourPort Active 32Gb SFP28For included models	24x7	3year	HU8Z9E	654,700circle
			4year	HU9A7E	1,127,600circle
			5year	HU9B5E	1,600,500circle
R6B06A SN6700B 64Gb 56port FC switch Port Side Intake twenty fourPort Active 32Gb SFP28Attached Model	HPE Tech Care Basic 4H SN6700B 64Gb 56port FC switch Port Side Intake twenty fourPort Active 32Gb SFP28For included models	9×5	3year	HY9T2E	435,000circle
			4year	HY9U2E	835,800circle
			5year	HY9U9E	1,236,400circle
	HPE Tech Care Essential SN6700B 64Gb 56port FC switch Port Side Intake twenty fourPort Active 32Gb SFP28For included models	24x7	3year	HY9S7E	654,700circle
			4year	HY9T6E	1,127,600circle
			5year	HY9U3E	1,600,500circle
R7M13A SN6700B 64Gb 56port FC switch twenty fourPort Active 64Gb SFP56Attached Model	HPE Tech Care Basic 4H SN6700B 64Gb 56portFCswitch twenty fourPort Active 64Gb SFP56For included models	9×5	3year	HX2D3E	435,000circle
			4year	HX2E1E	835,800circle
			5year	HX2E9E	1,236,400circle
	HPE Tech Care Essential SN6700B 64Gb 56portFCswitch twenty fourPort Active 64Gb SFP56For included models	24x7	3year	HX2D5E	654,700circle
			4year	HX2E3E	1,127,600circle
			5year	HX2F1E	1,600,500circle
R7M14A SN6700B 64Gb 56port FC switch Port Side Intake twenty fourPort Active 64Gb SFP56Attached Model	HPE Tech Care Basic 4H SN6700B 64Gb 56portFCswitch Port Side Intake twenty fourPort Active 64Gb SFP56For included models	9×5	3year	HX2H3E	435,000circle
			4year	HX2J1E	835,800circle
			5year	HX2J9E	1,236,400circle
	HPE Tech Care Essential SN6700B 64Gb 56port FCswitch Port Side Intake twenty fourPort Active 64Gb SFP56For included models	24x7	3year	HX2H5E	654,700circle
			4year	HX2J3E	1,127,600circle
			5year	HX2K1E	1,600,500circle

Fibre Channel Switch

HPEService Credits

This is a prepaid service package that allows you to select and combine the services you need from our proactive service menu.

We offer a wide range of proactive services from our trained and experienced engineers to help you prevent problems before they occur. You can choose the service based on the number of credits you purchase.
Our remote credit advisors will help you choose from a menu of services.
For details of the service menu, please see theWebPlease see the site's menu of available services.https://www.hpe.com/jp/support-credit

Service hours: Monday to Friday8:45~17:30 * Public
holidays and New Year's holidays (12/30~1/3)Excluding
*Remote credit advisors are available during standard business hours. *Proactive services are
provided outside of the above hours.1.5You need double the credits.

Maintenance service product name	Model number	Price excluding tax	Service details
HPEService Credits1Annual10credit	U7EN6E	324,100circle	1per year10Select the service you want for your credits
HPEService Credits1Annual30credit	U7EP0E	972,300circle	1per year30Select the service you want for your credits
HPEService Credits3Annual30credit	U7EN7E	934,400circle	3per year30Select the service you want for your credits
HPEService Credits3Annual90credit	U7EP1E	2,803,200circle	3per year90Select the service you want for your credits
HPEService Credits4Annual40credit	U7EN8E	1,220,000circle	4per year40Select the service you want for your credits
HPEService Credits4Annual120credit	U7EP2E	3,659,800circle	4per year120Select the service you want for your credits
HPEService Credits5Annual50credit	U7EN9E	1,494,200circle	5per year50Select the service you want for your credits
HPEService Credits5Annual150credit	U7EP3E	4,482,500circle	5per year150Select the service you want for your credits

*Prices in this table do not include tax.