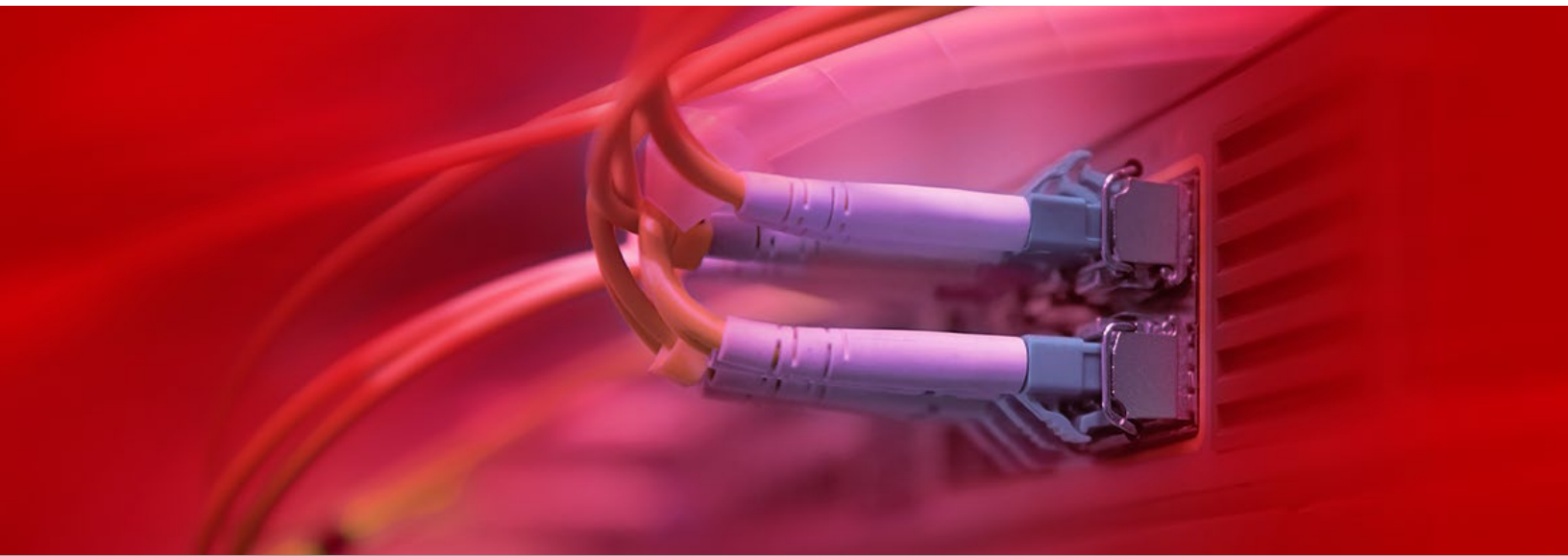


BROCADE REFERENCE GUIDE





Storage Area Networks

HPE B-Series Products







Hewlett Packard
Enterprise

HPE SN8700B 64Gb SAN Directors (GEN 7)



Model	HPE SN8700B 64Gb 8-Slot SAN Director (BR X7-8)		HPE SN8700B 64Gb 4-Slot SAN Director (BR X7-4)	
	 		 	
Blade and Port Capacity	<ul style="list-style-type: none">• Eight available slots for port blades• Up to 512 ports using 64 port blades• Up to 384 ports using 48 port blades		<ul style="list-style-type: none">• Four available slots for port blades• Up to 256 ports using 64 port blades• Up to 192 ports using 48 port blades	
Height	14 RUs		8 RUs	
Port Speeds	<ul style="list-style-type: none">• 64/32/16 Gbps auto sensing using 64 Gbps optics (FC64 blades only)• 32/16/8 Gbps auto sensing using 32 Gbps optics (FC64, FC32, and SX6 blades)• 16/8/4 Gbps auto sensing using 16 Gbps optics (FC32 and SX6 blades only)			
Hardware Features included with SN8700B Chassis	<ul style="list-style-type: none">• Dual hot swappable Control Processor Blades and 64 Gbps Core Routing Blades• Dual hot swappable WWN cards			
Software included with SN8700B Chassis	<ul style="list-style-type: none">• Fabric Operating System (FOS)• Webtools, Advanced Zoning, Full Fabric, Forward Error Correction, and Virtual Fabrics• Enterprise License Bundle: (Fabric Vision®, ISL Trunking, Extended Fabrics, FICON CUP and Integrated Routing)			
SN8700B Chassis	R6A97A Airflow agnostic chassis. Add power supplies and fan kits as listed below. The airflow direction of all power supplies and fan kits must match, i.e., Portside Exhaust or Portside Intake.		R6A98A Airflow agnostic chassis. Add power supplies and fan kits as listed below. The airflow direction of all power supplies and fan kits must match, i.e., Portside Exhaust or Portside Intake.	
Power Supplies	Add 3x-4x power supplies (4x provides maximum redundancy) Q0U92A Portside exhaust (normal) R0Q26A Portside intake (reversed)		Add 2x power supplies Q0U92A Portside exhaust (normal) R0Q26A Portside intake (reversed)	
Fan Kits	Add 3x fan blower assemblies R6B07A Portside exhaust (normal) R0Q27A Portside intake (reversed)		Add 2x fan blower assemblies R6B07A Portside exhaust (normal) R0Q27A Portside intake (reversed)	
SN8700B Port Blades	The available chassis slots may be filled with any combination of the following blades as long as there are no more than four SX6 Extension Blades per chassis.			
	R7M12A R6B01A R6B02A R6B03A R6B04A Q2S19B Q0U85B Q0U87B Q0U84B Q0U86B	FC64-48 FC Port Blade FC64 48 FC Port Blade FC64 48 FC Port Blade FC32 X7-48 FC Port Blade FC32 X7-48 FC Port Blade FC32 64 FC Port Blade SX6 Extension Blade SX6 Extension Blade FC32-48 FC Port Blade FC32 48 FC Port Blade	48 SFP Ports with 48x SWL 64 Gbps SFP optics 48 SFP Ports with 48x SWL 32 Gbps SFP optics 48 SFP Ports with 48x LWL 32 Gbps SFP optics 48 SFP Ports with 48x SWL 32 Gbps SFP optics 48 SFP Ports with 48x LWL 32 Gbps SFP optics 16 QSFP Ports with 8x SWL 4x32 Gbps QSFP optics (8 empty ports) No optics* Includes 16x SWL 32 Gbps SFP FC optics and 0 Ethernet optics* 48 SFP Ports without optics* 48 SFP Ports with 48x SWL 32 Gbps SFP optics	
SN8700B Inter Chassis Link Kits	Each ICL kit enables eight QSFP ICL ports on the Core Routing Blades and includes License (LTU) + eight QSFPs. Add 2x-4x ICL kits per SN8700B 8-SLOT chassis. Add 1x-2x ICL kits per SN8700B 4-SLOT chassis			
	R6B17A R6B18A R6B08A R8W24A	For ICL connectivity to an SN8700B director. Includes LTU + eight 100m Gen7 QSFPs For ICL connectivity to an SN8600B director. Includes LTU + eight 100m 4x32Gb QSFPs For ICL connectivity to an SN8700B or Gen 6 director. Includes LTU + eight 100m 4x32Gb 2KM QSFP's For ICL connectivity to an SN8700B director. Includes LTU +eight 4x50 Q56 2km QSFP's		
SN8600B to SN8700B Director Upgrade	For customers with the SN8600B already installed in their SAN and interested in using the 64Gb blades (R7M12A) or the 64G ready blades (R6B01A, R6B02A, R6B03A, R6B04A), a Core Blade upgrade is an option. Each SN8600B will require two core blades for the upgrade and these are sold separately R6A99A 8-slot Director Switch Core Blade		For customers with the SN8600B already installed in their SAN and interested in using the 64Gb blades (R7M12A) or the 64G ready blades (R6B01A, R6B02A, R6B03A, R6B04A), a Core Blade upgrade is an option. Each SN8600B will require two core blades for the upgrade and these are sold separately R6B00A 4-slot Director Switch Core Blade	
Power Cables	One power cable is required per power supply, each Power Supply ships with: 1 L6-20 3 meter 250V Power Cord 1 C19-C20 220V PDU jumper			
Rack Mount Kits	The SN8700B 8-SLOT chassis ships with a 14U rack mount kit for four-post racks, which contains shelf brackets that telescope from 27 in. (68.58 cm) to 31 in. (78.74 cm)		The SN8700B 4-SLOT chassis includes the 8U Chassis Airflow Diversion and Port Side Exhaust rack mount kit to divert airflow so that it fully exhausts to the port side of the device or is fully drawn from the port side of the device while mounted in a four-post rack. The rack kit is designed for rack rail-to-rail depth of 27 to 31 in.	

*See Page 11 for SFP Options

HPE B-series Gen 7 Fibre Channel Switches




Model	HPE B-series SN6750B (64 Gbps) Fibre Channel Switch (BR G730)	HPE B-series SN6700B (64 Gbps) Fibre Channel Switch (BR G720)
	 	 
Blade and Port Capacity	<ul style="list-style-type: none"> The SN6750B provides 48 to 128 ports The base SN6750B has 48 activated SFP ports. The remaining ports are physically present but not factory activated. The addition of a four 24-port SFP POD Kits (Ports-on-Demand) will non-disruptively upgrade the SN6750 to 96 SFP ports. Adding one 32-port DD SFP POD Kit will provide 128 ports. 	<ul style="list-style-type: none"> The SN6700B provides 24 to 56 ports The base SN6700B has 24 activated SFP ports. The remaining ports are physically present but not factory activated. The addition of four 8 port SFP POD kits (Ports-on-Demand) will non-disruptively upgrade the SN6700B to 56 SFP ports. Adding one 16-port DD SFP POD Kit will provide 64 ports.
Height	2 RU	1 RU
Port Speeds	<ul style="list-style-type: none"> 64/32/16 Gbps using 64 Gbps SFPs 32/16/8 Gbps using 32 Gbps SFPs 	<ul style="list-style-type: none"> 64/32/16 Gbps using 64 Gbps SFPs 32/16/8 Gbps using 32 Gbps SFPs
Base Switch SKUs	<p>The SN6750B base switch SKUs have 48 activated 64 Gbps ports and include 48 SWL 64 Gbps SFPs</p> <p>Port-side air exhaust:</p> <p>R8U61A 64Gb 48/128 48p SFP56 FC Switch</p> <p>Port-side air intake:</p> <p>R8U62A 64Gb 48/128 48p SFP56 Port Side Intake FC Switch</p>	<p>The SN6700B base switch SKUs have 24 activated 64 Gbps ports and include 24 SWL 32 or 64 Gbps SFPs.</p> <p>Port-side air exhaust:</p> <p>R6B05A 64Gb 56/24 24p SFP28 FC Switch</p> <p>R7M13A 64Gb 56/24 24p SFP56 FC Switch</p> <p>Port-side air intake:</p> <p>R6B06A 64Gb 56/24 24p SFP28 Port Side Intake FC Switch</p> <p>R7M14A 64Gb 56/24 24p SFP56 Port Side Intake FC Switch</p>
Included Hardware Features	<ul style="list-style-type: none"> Two hot swappable power supplies and fans HPE adds HPE 2.0m 10A C13-C14 Black Jumper Cord (WW); HPE C13-C14 IN 250V 2m Black Jumper Cord (India Only) 	<ul style="list-style-type: none"> Two hot swappable power supplies with integrated fans HPE adds HPE 2.0m 10A C13-C14 Black Jumper Cord (WW); HPE C13-C14 IN 250V 2m Black Jumper Cord (India Only)
Software included with Switch	<ul style="list-style-type: none"> Fabric Operating System (FOS) Webtools, Advanced Zoning, Full Fabric, Enhanced Group Management, Forward Error Correction, and Virtual Fabrics Enterprise License Bundle: (Fabric Vision®, ISL Trunking, Extended Fabrics, FICON CUP and Integrated Routing) 	<ul style="list-style-type: none"> Fabric Operating System (FOS) Webtools, Advanced Zoning, Full Fabric, Enhanced Group Management, Forward Error Correction, and Virtual Fabrics Enterprise License Bundle: (Fabric Vision®, ISL Trunking, Extended Fabrics, FICON CUP and Integrated Routing)
Ports-on-Demand (POD) Kits	<p>R8U63A 24 port SFP POD - license and 24 SWL 64 Gbps SFPs</p> <p>R8U64A 32 port DD POD -license and 16 SWL 64 Gbps DD SFP</p>	<p>R6B09A 8 port SFP POD - license and 8 SWL 32 Gbps SFPs</p> <p>R7M18A 8 port SFP POD - license and 8 SWL 64 Gbps SFPs</p> <p>R8U65A 16 port DD POD -license and 8 SWL 64 Gbps DD SFP</p>
Rack Mounts	<p>An HPE rail kit is included with each switch. Rail kits cannot be ordered separately. The HPE Rail Kit follows the EIA-310 specifications for 19-inch Four Post and supports installation in the following HPE Racks:</p> <ul style="list-style-type: none"> HPE G2 Advanced Series Rack (https://h20195.www2.hpe.com/v2/GetDocument.aspx?docname=c05324689) HPE G2 Enterprise Series Rack (https://h20195.www2.hpe.com/v2/GetDocument.aspx?docname=a00002907enw) 	<p>An HPE rail kit is included with each switch. Rail kits cannot be ordered separately. The HPE Rail Kit follows the EIA-310 specifications for 19-inch Four Post and supports installation in the following HPE Racks:</p> <ul style="list-style-type: none"> HPE G2 Advanced Series Rack (https://h20195.www2.hpe.com/v2/GetDocument.aspx?docname=c05324689) HPE G2 Enterprise Series Rack (https://h20195.www2.hpe.com/v2/GetDocument.aspx?docname=a00002907enw)

HPE SN8600B 32Gb SAN Directors (GEN 6)

Model	HPE SN8600B 32Gb 8-Slot SAN Director (BR X6-8)		HPE SN8600B 32Gb 4-Slot SAN Director (BR X6-4)	
	<div><div>LEARN MORE</div></div>		<div><div>LEARN MORE</div></div>	
Blade and Port Capacity	<ul style="list-style-type: none">• Eight available slots for port blades• Up to 512 ports using 64 port blades• Up to 384 ports using 48 port blades		<ul style="list-style-type: none">• Four available slots for port blades• Up to 256 ports using 64 port blades• Up to 192 ports using 48 port blades	
Height	14 RUs		8 RUs	
Port Speeds	<ul style="list-style-type: none">• 32/16/8 Gbps auto sensing using 32 Gbps optics• 16/8/4 Gbps auto sensing using 16 Gbps optics			
Hardware Features included with SN8600B Chassis	<ul style="list-style-type: none">• Dual hot swappable Control Processor Blades and 32 Gbps Core Routing Blades• Dual hot swappable WWN cards			
Software included with SN8600B Chassis	<ul style="list-style-type: none">• Fabric Operating System (FOS)• Webtools, Advanced Zoning, Full Fabric, Forward Error Correction, and Virtual Fabrics• Enterprise License Bundle: (Fabric Vision®, ISL Trunking, Extended Fabrics and FICON CUP)			
SN8600B Chassis - Configured for port-side air exhaust	Q0U63B This SKU is factory configured for port-side air exhaust with: <ul style="list-style-type: none">• Three (of three) hot swappable fan blower assemblies• Three (of four) hot swappable power supplies The 4th power supply provides maximum redundancy - SKU Q0U92A		Q0U83B This SKU is factory configured for port-side air exhaust with: <ul style="list-style-type: none">• Two (of two) hot swappable fan blower assemblies• Two (of two) hot swappable power supplies	
SN8600B Chassis - Configured for port-side air intake - aka reversed airflow	ROQ24A Note: This SKU does not include fans or power supplies. <ul style="list-style-type: none">• Add 3x of ROQ27A fan blower assembly• Add 3x-4x of ROQ26A power supply (4x provides max redundancy)		ROQ25A Note: This SKU does not include fans or power supplies. <ul style="list-style-type: none">• Add 2x of ROQ27A fan blower assembly• Add 2x of ROQ26A power supply	
X6 Port Blades	The available chassis slots may be filled with any combination of the following blades as long as there are no more than four SX6 Extension Blades per chassis.			
	Q0U84B Q0U86B Q2S19B Q0U85B Q0U87B	FC32 48 FC Port Blade FC32 48 FC Port Blade FC32 64 FC Port Blade SX6 Extension Blade SX6 Extension Blade	48 SFP Ports without optics* 48 SFP Ports with 48x SWL 32 Gbps SFP optics 16 QSFP Ports with 8x SWL 4x32 Gbps QSFP optics (8 empty ports) Includes 0 SFP optics and 0 Ethernet optics* Includes 16x SWL 32 Gbps FC SFP optics and 0 Ethernet optics*	
SN8600B Inter Chassis Link Kits	Each ICL License (LTU) enables sixteen QSFP ICL ports. QSFP's can be ordered ala carte from the list below. Add 1x-2x ICL POD Licenses per SN8600B 8-SLOT chassis. Q0T80BAE			





*See Page 11 for SFP Options

HPE B-series 32G Fibre Channel Switches (GEN 6)

Model	HPE B-series SN6650B (32Gbps) FC Switch (BR G630)	HPE B-series SN6600B (32 Gbps) FC Switch (BR G620)	HPE B-series SN3600B (32 Gbps) FC Switch (BR G610)
	 LEARN MORE	 LEARN MORE	 LEARN MORE
Port Capacity	<ul style="list-style-type: none"> The SN6650B provides 48 to 128 ports The SN6650B is offered with either 48 or 96 activated SFP ports. Any remaining ports can be activated with Ports-on-Demand (POD). The addition of 24 port SFP POD's will non disruptively upgrade the SN6650B to 96 SFP ports. A 96 port SN6650B can be upgraded to 128 ports by adding a 32 port QSFP POD kit. 	<ul style="list-style-type: none"> The SN6600B provides 24 to 64 ports The SN6650B is offered with either 24 or 48 activated SFP ports. Any remaining ports can be activated with Ports-on-Demand (POD). The addition of 12 port SFP POD's will non disruptively upgrade the SN6600B to 48 SFP ports. A 48 port SN6600B can be upgraded to 64 ports by adding a 16 port QSFP POD kit. 	<ul style="list-style-type: none"> The SN3600B provides 8 to 24 ports The SN3600B is offered with either 8 or 24 activated SFP ports. Any remaining ports can be activated with Ports-on-Demand (POD). The addition of 8 port SFP POD's will non disruptively upgrade the SN3600B to 24 SFP ports.
Height	2 RUs	1 RU	1 RU
Port Speeds	<ul style="list-style-type: none"> 32/16/8 Gbps using 32 Gbps optics 16/8/4 Gbps using 16 Gbps optics 		
Base Switch SKUs	<p>The SN6650B switch SKUs have either 48 or 96 ports activated</p> <p>Port-side air exhaust only</p> <p>Bundled Models (with SFP's)</p> <p>Q9V95B 32Gb 128/48 48p SFP+ FC Switch</p> <p>Q9V95C 32Gb 128/48 48P SFP+ FC Switch</p> <p>Q9V96C 32Gb 128/96 PP+ 96P SFP Switch</p> <p>Standalone Model (w/o SFP's)*</p> <p>Q2S18B 32Gb 128/48 FC Switch</p>	<p>The SN6600B switch SKU's have either 24 or 48 ports activated.</p> <p>Port side air exhaust only.</p> <p>Bundled Models (with SFP's)</p> <p>R6V47A 32Gb 48/24 16Gb SFP+ FC Switch</p> <p>Q0U58C 32Gb 48/24 24P SFP+ FC Switch</p>	<p>The SN3600B switch SKU's have either 8 or 24 ports activated.</p> <p>Bundled Models (with SFP's)</p> <p>R7R97A 24/8 8p 32Gb SW SFP+ FC Switch</p> <p>R4G55B 24/8 8p 16Gb SW SFP+ FC Switch</p> <p>R8P29A 24/24 PP+ 24p 16Gb SW SFP+ FC Switch</p> <p>R8P28A 24/24 PP+ 24p 32Gb SW SFP+ FC Switch</p> <p>Standalone Models (w/o SFP's)*</p> <p>Q1H70B 32Gb 24/8 FC Switch</p>
Included Hardware Features	<ul style="list-style-type: none"> Two hot swappable power supplies Three hot swappable fan assemblies HPE adds HPE 2.0m 10A C13-C14 Black Jumper Cord (WW); HPE C13-C14 IN 250V 2m Black Jumper Cord (India Only) 	<ul style="list-style-type: none"> Two hot swappable power supplies with integrated fans HPE adds HPE 2.0m 10A C13-C14 Black Jumper Cord (WW); HPE C13-C14 IN 250V 2m Black Jumper Cord (India Only) 	<ul style="list-style-type: none"> One integrated power supply and one integrated fans HPE adds HPE 2.0m 10A C13-C14 Black Jumper Cord (WW); HPE C13-C14 IN 250V 2m Black Jumper Cord (India Only)
Software included with Switch	Fabric Operating System (FOS), Webtools, Advanced Zoning, Forward Error Correction, Virtual Fabrics.	Fabric Operating System (FOS), Webtools, Advanced Zoning, Forward Error Correction, Virtual Fabrics.	Fabric Operating System (FOS), Webtools, Advanced Zoning, Forward Error Correction.
Ports-on-Demand (POD) Kits (w/SFP's)	<p>R7M11A 32Gb 24p SW FC Upg Lic Kit (Lic+SFP's)</p> <p>R9S33A 32 port QSFP POD Lic Kit (Lic+QSFP's)</p>	<p>R6V48A 16Gb 12p SW FC Upg Lic Kit (Lic+SFP's)</p> <p>R6V49A 32Gb 12p SW FC Upg Lic Kit (Lic+SFP's)</p> <p>R9S32A 16 port QSFP POD Lic Kit (Lic+QSFPs)</p>	<p>R7M09A 32Gb 8p SW FC Upg Lic Kit (Lic+SFP's)</p> <p>R7M10A 16Gb 8p SW FC Upg Lic Kit (Lic+SFP's)</p>
Ports-on-Demand (POD) LTU's (w/o SFP's)*	Q9N40A/AE 32 port QSFP POD license (No QSFP's)*	Q0T77A/AE 16 port QSFP POD license (No QSFPs)*	
SW Licenses (LTU)	<p>Q9N41B/AE PowerPack+ Software Bundle</p> <p>Includes ISL Trunking, Fabric Vision, and Extended Fabrics</p> <p>Q9N42B/AE Integrated Routing License</p>	<p>T5528B/AE Integrated Routing License</p>	<p>Q1Z11B/AE PowerPack+ Software Bundle</p> <p>Includes ISL Trunking, Fabric Vision and Extended Fabrics</p>
Rack Mounts	<p>An HPE rail kit is included with each switch. Rail kits cannot be ordered separately. The HPE Rail Kit follows the EIA-310 specifications for 19-inch Four Post and supports installation in the following HPE Racks:</p> <ul style="list-style-type: none"> HPE G2 Advanced Series Rack (https://h20195.www2.hpe.com/v2/GetDocument.aspx?docname=c05324689) HPE G2 Enterprise Series Rack (https://h20195.www2.hpe.com/v2/GetDocument.aspx?docname=a00002907enw) 		

*See Page 11 for SFP Options

HPE B-series SAN Extension Switches (GEN 5)

Model	HPE B-series SN4000B SAN Extension Switch (BR 7840)	HPE B-series SN2600B SAN Extension Switch (BR 7810)
	 	 
Port Capacity	<ul style="list-style-type: none"> • Brocade's flagship extension switch has twenty four 16 Gbps Fibre Channel ports, sixteen 1/10 GbE WAN/LAN ports and two 40 GbE WAN ports. • Note: The two 40 GbE ports are enabled by an upgrade license. 	<ul style="list-style-type: none"> • The HPE B-series SN2600B SAN extension switch has twelve 32 Gbps Fibre Channel ports, six 1/10 GbE ports and is offered in a base configuration and a full configuration. • Note: On the base configuration, 10 GbE on the Ethernet ports is enabled by an upgrade license.
Height	2 RUs	1 RU
Speeds & Protocols	<ul style="list-style-type: none"> • 16/8/4 Gbps auto sensing using 16 Gbps optics • Fibre Channel Protocol, FCIP, and IP Extension 	<ul style="list-style-type: none"> • 16/8/4 Gbps auto sensing using 16 Gbps optics • 32/16/8 Gbps auto sensing using 32 Gbps optics • Fibre Channel Protocol, FCIP, and IP Extension
Switch SKUs	<p>E7Y73C Base SN4000B Extension Switch</p> <ul style="list-style-type: none"> • The base SN4000B switch provides 5 Gbps WAN capacity. It includes twenty four activated 16 Gbps ports. It has sixteen activated 1/10 GbE ports. • No SFP's included * 	<p>R6W20A Base SN2600B Extension Switch</p> <ul style="list-style-type: none"> • The base SN2600B switch provides 1 Gbps WAN capacity. It includes four activated 32 Gbps FC ports and four SWL 16 Gbps SFPs. It has six activated 1 GbE ports.* <p>R6W21A Full SN2600B Extension Switch.</p> <ul style="list-style-type: none"> • The full SN2600B switch provides 2.5 Gbps WAN capacity. It includes twelve activated 32 Gbps FC ports and twelve SWL 16 Gbps SFPs. It has six activated 1/10 GbE ports.*
Included Hardware Features	<ul style="list-style-type: none"> • Two hot swappable power supplies (C14 receptacles) • Three hot swappable redundant fan assemblies • Airflow direction is port side exhaust • HPE adds HPE 2.0m 10A C13-C14 Black Jumper Cord (WW); HPE C13-C14 IN 250V 2m Black Jumper Cord (India Only) 	<ul style="list-style-type: none"> • Two hot swappable power supplies (C14 receptacles) • Hot swappable Integrated fans • Airflow direction is port side exhaust • HPE adds HPE 2.0m 10A C13-C14 Black Jumper Cord (WW); HPE C13-C14 IN 250V 2m Black Jumper Cord (India Only)
Software included with Switch	The SN4000B includes the Fabric Operating System (FOS), Webtools, Advanced Zoning, Full Fabric, Enhanced Group Management, Forward Error Correction, Virtual Fabrics, and Advanced Extension as well as the Enterprise License Bundle (Fabric Vision®, ISL Trunking, and Extended Fabrics).	<p>The base SN2600B includes the Fabric Operating System (FOS), Webtools, Advanced Zoning, Full Fabric, Enhanced Group Management, Forward Error Correction, Virtual Fabrics, and Advanced Extension.</p> <p>The full SN2600B includes everything in the base plus Integrated Routing and the Enterprise License Bundle: (Fabric Vision®, ISL Trunking, and Extended Fabrics).</p>
Ports-on-Demand (POD) Kits		<p>R6W30A SN2600B Upgrade Kit: Increases WAN traffic rate limit from 1 Gbps to 2.5 Gbps, enables 10 GbE on the Ethernet ports, activates all FC ports, including eight SWL 16 Gbps SFPs, adds the Integrated Routing license and the Enterprise License Bundle: (Fabric Vision®, ISL Trunking, Extended Fabrics)</p>
SW Licenses (LTU)	<p>D4U27B/AE WAN Rate Upgrade License #1: increases WAN traffic rate limit to 10 Gbps</p> <p>D4U28B/AE WAN Rate Upgrade License #2: removes WAN traffic rate limiting and enables the two 40 GbE ports. Requires WAN Rate Upgrade License #1 to already be installed</p> <p>T5528B/AE Integrated Routing license: Allows SAN fabrics to be connected without merging</p> <p>D4U29B/AE HPE StoreFabric SN4000B FICON Accelerator LTU</p>	
Rack Mount Kits	<p>An HPE rail kit is included with each switch. Rail kits cannot be ordered separately. The HPE Rail Kit follows the EIA-310 specifications for 19-inch Four Post and supports installation in the following HPE Racks:</p> <ul style="list-style-type: none"> • HPE G2 Advanced Series Rack (https://h20195.www2.hpe.com/v2/GetDocument.aspx?docname=c05324689) • HPE G2 Enterprise Series Rack (https://h20195.www2.hpe.com/v2/GetDocument.aspx?docname=a00002907enw) 	


*See Page 11 for SFP Options

Brocade 32Gb FC Switch for Synergy (GEN 6)


Model	Brocade 32Gb Fibre Channel Switch for Synergy (BR G648)					
	<div><div>LEARN MORE</div></div>					
Port Capacity	<ul style="list-style-type: none">• The Brocade 32Gb FC Switch for Synergy supports up to 28 ports, 12 internal and 16 external.• The external ports consist of 8 x 32Gbps SFP+ ports plus 2 x 4x32Gbps QSFP ports.• The Brocade 32Gb FC Switch for Synergy is offered with either 12 or 20 activated ports. Any remaining ports can be activated with a Ports-on-Demand (POD) License (LTU).• The addition of 8 port POD's will non disruptively upgrade the Brocade 32Gb FC Switch for Synergy to 28 ports.					
Height	Synergy ICM Form Factor					
Port Speeds	<ul style="list-style-type: none">• 32/16/8 Gbps using 32 Gbps optics• 16/8/4 Gbps using 16 Gbps optics					
Base Switch SKUs	<p>The Brocade 32Gb FC Switch for Synergy SKUs have either 12 or 20 ports activated. 12 ports come with 2 32Gb SFP's and 20 ports come with 4 32Gb SFP's. The balance of optics must be purchased separately*</p> <table><tr><td>Q2E56A</td><td>Brocade 32Gb/20 4SFP+ FC Switch for Synergy</td></tr><tr><td>Q2E57A</td><td>Brocade 32Gb/20 4SFP+ PowerPack+ FC Switch for Synergy</td></tr></table>		Q2E56A	Brocade 32Gb/20 4SFP+ FC Switch for Synergy	Q2E57A	Brocade 32Gb/20 4SFP+ PowerPack+ FC Switch for Synergy
Q2E56A	Brocade 32Gb/20 4SFP+ FC Switch for Synergy					
Q2E57A	Brocade 32Gb/20 4SFP+ PowerPack+ FC Switch for Synergy					
Software included with Switch	<ul style="list-style-type: none">• Fabric Operating System (FOS)• Webtools, Advanced Zoning, Full Fabric, Forward Error Correction.					
Ports-on-Demand (POD) LTU's	Q2E58A/AE	8 port SFP POD license (No SFP's)*				
SW Licenses (LTU)	Q2E60A/AE	PowerPack+ Software Bundle, Includes ISL Trunking, Fabric Vision, and Extended Fabrics				

*See Page 11 for SFP Options

HPE B-series SN8000B Port Blades (GEN 5)

Model	HPE B-series SN8000B (16 Gbps) Director Port Blades (BR 8510 Port Blades)		
	<div><div>LEARN MORE</div></div>		
Port Capacity	• The SN8000B Port Blades offer 32, 48 and 64 port models for the SN8000B Director Switch		
Port Speeds	• 16/8/4 Gbps using 16 Gbps SFP's • 8/4/2 Gbps using 8 Gbps SFP's		
Port Blade SKUs	The available chassis slots in the HPE SN8000B may be filled with any combination of the following blades.		
E7Y68C	FC16-32	16gb 32p SFP Integrated Blade with 32 16Gb SFP's	
E7Y69C	FC16-48	16GB 48P SFP Integrated Blade with 48 16Gb SFP's	
E7Y80B	FC16-64	64-PORT 16GB FC Blade with 16 16Gb QSFP's	

HPE B-series SN6500B Fibre Channel Switch (GEN 5)

Model	HPE B-series SN6500B (16 Gbps) Fibre Channel Switch (BR 6520)						
	<div><div>LEARN MORE</div></div>						
Port Capacity	<ul style="list-style-type: none">The SN65000B provides 48 to 128 portsThe SN6500B is offered with either 48 or 96 activated SFP ports. Any remaining ports can be activated with Ports-on-Demand (POD).The addition of 24 port SFP POD's will non disruptively upgrade the SN6500B to 96 SFP ports.						
Height	2 RU						
Port Speeds	<ul style="list-style-type: none">16/8/4 Gbps using 16 Gbps SFP's8/4/2 Gbps using 8 Gbps SFP's						
Base Switch SKUs	The SN6500B switch SKUs have either 48 or 96 ports activated. SFP's must be purchased separately* <table><tr><td>C8R45B</td><td>16Gb 96/48 Fibre Channel Switch</td></tr><tr><td>C8R42B</td><td>16Gb 96/96 Power Pack+ Fibre Channel Switch</td></tr></table>			C8R45B	16Gb 96/48 Fibre Channel Switch	C8R42B	16Gb 96/96 Power Pack+ Fibre Channel Switch
C8R45B	16Gb 96/48 Fibre Channel Switch						
C8R42B	16Gb 96/96 Power Pack+ Fibre Channel Switch						
Included Hardware Features	<ul style="list-style-type: none">Two hot swappable power suppliesThree hot swappable redundant fan assembliesHPE adds HPE 2.0m 10A C13-C14 Black Jumper Cord (WW); HPE C13-C14 IN 250V 2m Blk Jumper Cord (India Only)						
Software included with Switch	<ul style="list-style-type: none">Fabric Operating System (FOS)Webtools, Advanced Zoning, Full Fabric, Forward Error Correction, and Virtual FabricsC8R42B Only: Enterprise License Bundle: (Fabric Vision*, ISL Trunking, Extended Fabrics)						
Ports-on-Demand (POD) LTU's	TC440A/AE	24 port SFP POD license (No SFP's)*					
SW Licenses (LTU)	TC441A/AE TC511A/AE T5529A/AE J4V61AAE J4V63AAE	PowerPack+ Software Bundle, Includes ISL Trunking, Fabric Vision, and Extended Fabrics Fabric Vision Integrated Routing License Trunking Extended Fabrics					
Rack Mounts	An HPE rail kit is included with each switch. Rail kits cannot be ordered separately. The HPE Rail Kit follows the EIA-310 specifications for 19-inch Four Post and supports installation in the following HPE Racks: <ul style="list-style-type: none">HPE G2 Advanced Series Rack (https://h20195.www2.hpe.com/v2/GetDocument.aspx?docname=c05324689)HPE G2 Enterprise Series Rack (https://h20195.www2.hpe.com/v2/GetDocument.aspx?docname=a00002907enw)						

*See Page 11 for SFP Options

HPE SANnav Management Software

HPE SANnav Management Portal and SANnav Global View empower IT administrators to be more efficient and productive by providing comprehensive visibility into the SAN environment. These tools transform information about SAN behavior and performance into actionable insights, allowing administrators to quickly identify, isolate, and correct problems before they impact the business. In addition, SANnav Management Portal and SANnav Global View accelerate administrative tasks by simplifying workflows and automating redundant steps, making it easier for organizations to realize their goal of an autonomous SAN.

[Learn more](#)

Management Software Subscription Options

HPE SANnav Management Portal Base Edition - For Switches only

Manages up to 600 FC ports in one or more SANs

R3P45AAE	SANnav Management Portal Base 1yr LTU
R3P48AAE	SANnav Management Portal Base 3yr LTU
R4P29AAE	SANnav Management Portal Base 5yr LTU

HPE SANnav Management Portal Enterprise Edition - For Switches and Directors

Manages up to 15,000 FC ports in one or more SANs

R3P46AAE	SANnav Management Portal Enterprise 1yr LTU
R3P49AAE	SANnav Management Portal Enterprise 3yr LTU
R4P30AAE	SANnav Management Portal Enterprise 5yr LTU

HPE SANnav Global View

Provides a consolidated view for up to 20 instances of SANnav Management Portal

R3P47AAE	SANnav Global View 1yr LTU
R3P50AAE	SANnav Global View 3yr LTU
R4P31AAE	SANnav Global View 5yr LTU

EOL Platform Software Upgrades

Software License (LTU) Support for EOL Hardware Platforms

Switch P/N's			Software License (LTU) P/N's							
Brocade P/N	HPE Model	HPE PN	Expandability PODS (Optics sold separately)*	Power Pack+	ISLI Trunking (TRK)	Extended Fabrics (EF)	Fabric Vision (FV)	Integrated Routing	FICON CUP	Enterprise ICL
6558	16Gb SAN Switch for Synergy	K2Q83B, K2Q84B, K2Q86B	D4U69A/AE	TC464B/AE	T5527A/AE		TC514A/AE			
8514	SN8000B - 4-slot Non-PPK+	QK711A/B/C/D/E								TC389B/AE
8510	SN8000B - 8 & 4-slot PPK+	QK712A/B/C/D/E, QK710A/B/C/D/E								TC390B/AE

*See Page 11 for SFP Options

Brocade Optical Transceivers

	HPE PN	BROACDE P/N	DESCRIPTION	GEN7					GEN6										GEN5					EXTENSION					
				SN6700B	SN6750B	SN6700B 8-slot and 4-slot ICL's	SN6700 32G 48-port Blade	SN6700 64G 48-port Blade	BRCD 32G FC switch for Synergy	SN6600B	SN6600B	SN6600B (QOJ5BC and R6V47A)	SN6650B	SN6650B (Q9V95A and Q9V96A)	SN6600B 8-slot and 4-slot ICL's	SN6600B 48-port Blade	32Gb 64port Blade	16Gb SAN Switch for cClass	16Gb SAN Switch for Synergy	SN6000B	SN6000B	SN6500B	SN6000 8-slot and 4-slot	16Gb Extension Blade	SN4000B 16Gb Extension Switch	SN2600B Ext Switch	32Gb Dr Extension Blade	DDO/Quote Eligible	
FIBER CHANNEL																													
64G FC SFP+	R7M15A	HPE-000462	HPE B-series 64Gb SFP56 SW 1pk Sec XCVR	✓	✓			✓																				✓	
	R7M16A	HPE-000463	HPE B-series 64Gb SFP56 SW 8pk Sec XCVR	✓	✓			✓																				✓	
	R9S29A	HPE-000468	HPE B-ser 64G SFP56 LW 10km 1pk Sec XCVR	✓	✓			✓																				✓	
	R9S30A	HPE-000469	HPE B-ser 64G SFP56 LW 10km 8pk Sec XCVR	✓	✓			✓																				✓	
	R9S28A	HPE-000466	HPE B-ser 64Gb ELW 25km 1pk Sec XCVR	✓	✓			✓																				✓	
64G FC SFP-DD	R8U66A	HPE-000464	HPE B-ser 64Gb SFP-DD SN SR 1pk Sec XCVR	✓	✓																							✓	
	R8U67A	HPE-000465	HPE B-ser 64Gb SFP-DD SN SR 8pk Sec XCVR	✓	✓																							✓	
Gen7 FC QSFP+	R6B19A	HPE-000420	HPE 4x50Gb QSFP56 SW ICL 1pk Secure XCVR			✓																						✓	
32G FC SFP+	R0Q23A	HPE PN Offering Only	HPE B-series 32Gb SFP28 SW 8pk XCVR						✓	✓	✓		✓			✓											✓		
	R6B12A	HPE-000412	HPE 32Gb SFP28 SW 1pk Secure XCVR	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓									✓	✓	✓		
	R6W26A	HPE-000413	HPE B-series 32Gb SFP28 SW 8-pk Sec XCVR	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓									✓	✓	✓		
	R6B13A	HPE-000438	HPE 32Gb SFP28 LW 10km 1pk Secure XCVR	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓									✓	✓	✓		
	R7M17A	HPE-000478	HPE B-series 32G SFP Ext LW 1pk Sec XCVR	✓	✓		✓	✓		✓	✓	✓	✓	✓		✓											✓		
	R9S31A	HPE-000479	HPE B-ser 32Gb ELW 25km 1pk Sec XCVR	✓	✓		✓	✓				✓		✓														✓	
4x32G FC QSFP+	Q2R27A	HP-000275	HPE B-series 4X32Gb 1-pack SW QSFP XCVR						✓																			✓	
	Q2R28A	HP-32GQSFPB-4	HPE B-series 4X32Gb 4-pack SW QSFP XCVR								✓																	✓	
	Q2R29A	HP-32GQSFPB-8	HPE B-series 4X32Gb 8-pack SW QSFP XCVR										✓		✓		✓											✓	
	Q2R30A	HP-32GQSFPB-16	HPE B-series 4X32Gb 16-pack SW QSFP XCVR												✓													✓	
	R6B20A	HPE-000475	HPE 4x32Gb QSFP28 SW 100m 1p Secure XCVR			✓					✓	✓	✓	✓	✓		✓											✓	
	Q2R31A	HP-000285	HPE B-series 4X32Gb LW 2km QSFP XCVR			✓					✓		✓		✓		✓											✓	
	Q8K15A	HP-32GQSFP-2KM-8	HPE B-series 4X32Gb 8pk LW 2km QSFP XCVR												✓		✓											✓	
16G SFP+	QK724A	HPE PN Offering Only	HPE B-series 16Gb SFP+SW XCVR						✓	✓	✓		✓			✓		✓	✓	✓	✓	✓		✓		✓			
	R6B10A	HPE-000492	HPE 16Gb SFP+ SW 1pk Secure XCVR				✓		✓	✓	✓	✓	✓	✓		✓		✓	✓	✓	✓	✓		✓	✓	✓	✓		
	R6W28A	HPE-000493	HPE B-series 16Gb SFP+ SW 8pk Sec XCVR				✓		✓	✓	✓	✓	✓	✓		✓		✓	✓	✓	✓	✓		✓	✓	✓	✓		
	QK725A	HPE Offering only	HPE B-series 16Gb SFP+LW 10km XCVR						✓	✓	✓	✓	✓			✓		✓	✓	✓	✓	✓		✓		✓			
	R6B11A	HPE-000498	HPE 16Gb SFP+ LW 10km 1pk Secure XCVR				✓		✓	✓	✓	✓	✓	✓		✓		✓	✓	✓	✓	✓		✓	✓	✓	✓		
	H6Z29A	HPE PN Offering only	HPE B-series 16Gb LW 25k FC SFP 1pk XCVR							✓			✓			✓		✓	✓	✓	✓	✓		✓		✓			
4x16 FC QSFP+	R6B21A	HPE-000458	HPE 16G SFP+ Ext LW 25km 1pk Secure XCVR				✓		✓	✓	✓	✓	✓	✓		✓		✓	✓	✓	✓	✓		✓		✓	✓		
	K2Q87A	HP-000246	HPE B-SERIES 4X16 SW QSFP								✓	✓	✓	✓			✓		✓								✓		
	Q0U90A	HP-16GQSFP-8	HPE SN8600B 4s 4X16Gb 8pk SW4 ICL XCVR										✓		✓		✓					✓					✓		
	H6Z76A	HP-DCX8510-100Q	HPE B-Series 4X16Gb Quad SFP SW 100M (16PK)												✓		✓					✓					✓		
	K2Q88A	HP-000255	HPE B-SERIES 4X16GB FC 2KM ICL QSFP XCVR													✓		✓				✓					✓		
10G FC SFP+	R6B15A	HPE-000417	HPE 10Gb SFP+ LW 10km 1pk Secure XCVR	✓	✓		✓	✓			✓	✓	✓	✓		✓				✓	✓				✓		✓		
	R6B14A	HPE-000418	HPE 10Gb SFP+ SW 1pk Secure XCVR	✓	✓		✓	✓			✓	✓	✓	✓		✓				✓	✓	✓			✓		✓		
8G FC SFP+	AJ716B*	HPE PN Offering only	HPE 8Gb Short Wave B-Series SFP+ 1 Pack															✓	✓	✓	✓	✓	✓	✓	✓				
	AJ717A	HPE PN Offering only	HPE 8Gb LW B-series 10km FC SFP+ 1 Pack															✓	✓	✓	✓	✓	✓	✓	✓				
ETHERNET																													
Ethernet QSFP	E7Y76A	HP-40G-QSFP-SR4	HPE B-SERIES 40GBE SR QSFP+ TRANSCEIVER																						✓		✓	✓	
	Q2S20A	HP-40G-SR4-INT-0286	HPE B-SERIES 40GBE QSFP+ SR4 XCVR														✓											✓	
	Q2S21A	HP-40G-SR-BIDI-0287	HPE B-SERIES 40GBE QSFP+ BI-DI XCVR																						✓		✓	✓	
	Q2S22A	HP-100G-SR4-0288	HPE B-SERIES 100GBE QSFP28 SR4 XCVR															✓										✓	
10Gb SFP+ (Copper)	E7Y75A	HP-40G-QSFP-LR4	HPE B-SERIES 40GBE LR QSFP+ TRANSCEIVER																						✓		✓	✓	
	R6W22A	HPE-000190	HPE B-series 10Gb SFP RJ45 CAT5 1pk XCVR																					✓	✓	✓	✓	✓	
10Gb SFP+	E7Y74A	HP-EIMG-LX-OM	HPE B-series 10Gb LX SFP Transceiver																						✓	✓	✓	✓	
	R6W25A	HPE-EIMG-SX-OM	HPE B-series 10Gb SFP 1pk XCVR																						✓	✓	✓	✓	
10GbE SFP+	AP823A	HPE PN Offering Only	HPE 10GbE SR B-series SFP+ Transceiver																						✓	✓		✓	
	R6W23A	HPE-000180	HPE B-series 10GbE SFP+ SW 1pk XCVR																						✓	✓	✓	✓	
	R6W24A	HPE-000182	HPE B-series 10GbE SFP+ LW 10km 1pk XCVR																						✓	✓	✓	✓	

*8Gbit SFP+, AJ716A is only supported in 8Gbit platforms.
 *8Gbit SFP+, AJ716B is supported on 8Gb and 16Gb platforms.

HPE/Brocade Part Number Cross Reference

NOTE: See Brocade Optical Transceivers (page 11) for Optics Cross Reference

Product Family		Part Number		Description
HPE	Brocade	HPE	Brocade	
SN8700B	X7	R6A97A	HPE-X78-0002-Z	HPE SN8700B 8-slot PP+ Dir Swch
SN8700B	X7	R6A98A	HPE-X74-0002-Z	HPE SN8700B 4-slot PP+ Dir Swch
SN8700B*	X7*	Q0U92A*	HP-X6-RACNPIPSU-0104*	HPE SN8600B/SN8700B 3000W 240VAC Dir PS*
SN8700B*	X7*	R0Q26A*	HP-X6-RACNPEPSU-0104*	HPE SN8600B/SN8700B Prt Side Intk Dir PS*
SN8700B*	X7*	R6B07A*	HPE-X6-FANNPI-0122*	HPE SN8700B Dir Fan Tray*
SN8700B*	X7*	R0Q27A*	HP-X6-FANNPE-0122*	HPE SN8600B/SN8700B Pt Sd Intk Fan Tray*
SN8700B	X7	R7M12A	HPE-X764-2148	HPE SN8700B 64Gb 48p 64Gb SW SFP56 Blade
SN8700B	X7	R6B01A	HPE-X764-1148	HPE SN8700B 64Gb 48p 32Gb SW SFP28 Blade
SN8700B	X7	R6B02A	HPE-X764-3148	HPE SN8700B 64Gb 48p 32Gb LW SFP28 Blade
SN8700B	X7	R6B03A	HPE-X732-2148	HPE SN8700B 32Gb 48p 32Gb SW SFP28 Blade
SN8700B	X7	R6B04A	HPE-X732-5148	HPE SN8700B 32Gb 48p 32Gb LW SFP28 Blade
SN8700B*	X7*	Q2S19B*	HP-X6-2164*	HPE SN8600B 32Gb 64/32 8QSFP FC Blade*
SN8700B*	X7*	Q0U85B*	HP-SX6-0000-Z*	HPE SN8600B 32Gb SAN Extension Blade*
SN8700B*	X7*	Q0U87B*	HP-SX6-0001-Z*	HPE SN8600B 32Gb 16p SW SFP+ Extn Blade*
SN8700B*	X7*	Q0U84B*	HP-X6-0148*	HPE SN8600B 32Gb 48-port FC Blade*
SN8700B*	X7*	Q0U86B*	HP-X6-2148*	HPE SN8600B 32Gb 48p SFP+ Integrtd Blade*
SN8700B	X7	R6B17A	HPE-X71CLKIT-100M-01-Z	HPE SN8700B POD ICL 4x50G QSFP56 8pk Kit
SN8700B*	X7*	R6B18A*	HPE-X7GEN6ICLKIT-100M-1-Z*	HPE SN8700B POD ICL 4x32G QSFP28 8pk Kit
SN8700B*	X7*	R6B08A*	HPE-X7GEN6ICLKIT-2KM-01-Z*	HPE SN8700B POD ICL 4x32 Q28 2km 8pk Kit
SN8700B	X7	R8W24A	HPE-X71CLKIT-2KM-01-Z	HPE SN8700B POD ICL 4x50 Q56 2km 8pk Kit
SN8700B**	X6**	R6A99A**	HPE-X78-0106**	HPE SN8700B 8-slot Dir Swch Core Blade**
SN8700B**	X6**	R6B00A**	HPE-X74-0106**	HPE SN8700B 4-slot Dir Swch Core Blade**
SN6700B	G720	R6B05A	HPE-G720-24-32G-R-Z	HPE SN6700B 64Gb 56/24 24p SFP28 FC Swch
SN6700B	G720	R7M13A	HPE-G720-24-64G-R-Z	HPE SN6700B 64Gb 56/24 24p SFP56 FC Swch
SN6700B	G720	R6B06A	HPE-G720-24-32G-F-Z	HPE SN6700B 56/24 24p 32Gb Prt Intk Swch
SN6700B	G720	R7M14A	HPE-G720-24-64G-F-Z	HPE SN6700B 56/24 24p 64Gb Prt Intk Swch
SN6700B	G720	R6B09A	HPE-MIDR8PTPOD-32G	HPE SN6700B 8p POD Upg Lic 32G SFP28 Kit
SN6700B	G720	R7M18A	HPE-MIDR8PTPOD-64G	HPE SN6700B 64Gb 8p SW FC Upg Lic Kit
SN6700B	G720	R8U65A	HPE-MIDR16DDG7POD-64G	HPE SN6700B 64Gb 16p SW 8DD FC Lic Kit
SN6750B	G730	R8U61A	HPE-G730-48-64G-R-Z	HPE SN6750B 64Gb 48/128 48p SFP56 Swch
SN6750B	G730	R8U62A	HPE-G730-48-64G-F-Z	HPE SN6750B 48/128 48p 64G Prt Intk Swch
SN6750B	G730	R8U63A	HPE-MENT24G7POD-64G	HPE SN6750B 64Gb 24p SW FC Upg Lic Kit
SN6750B	G730	R8U64A	HPE-MENT32DDG7POD-64G	HPE SN6750B 64Gb 32p SW 16DD FC Lic Kit
SN6700B	X6	Q0U63B	HP-X68-0001-Z	HPE SN8600B 8-SLOT PWR PACK+ DIR SWITCH
SN6700B*	X6*	Q0U92A	HP-X6-RACNPIPSU-0104	HPE SN8600B/SN8700B 3000W 240VAC Dir PS
SN6700B	X6	Q0U83B	HP-X64-0001-Z	HPE SN8600B 4-SLOT PWR PACK+ DIR SWITCH
SN6700B	X6	R0Q24A	HP-X68-0002-Z	HPE SN8600B 8s PP+ Prt Intk Dir Chassis
SN6700B	X6	R0Q25A	HP-X64-0002-Z	HPE SN8600B 4s PP+ Prt Intk Dir Chassis
SN6700B*	X6*	R0Q27A*	HP-X6-FANNPE-0122*	HPE SN8600B/SN8700B Pt Sd Intk Fan Tray*
SN6700B*	X6*	R0Q26A*	HP-X6-RACNPEPSU-0104*	HPE SN8600B/SN8700B Prt Side Intk Dir PS*
SN6700B*	X6*	Q0U84B*	HP-X6-0148*	HPE SN8600B 32Gb 48-port FC Blade*
SN6700B*	X6*	Q0U86B*	HP-X6-2148*	HPE SN8600B 32Gb 48p SFP+ Integrtd Blade*
SN6700B*	X6*	Q2S19B*	HP-X6-2164*	HPE SN8600B 32Gb 64/32 8QSFP FC Blade*
SN6700B**	X6**	R6A99A**	HPE-X78-0106**	HPE SN8700B 8-slot Dir Swch Core Blade**
SN6700B**	X6**	R6B00A**	HPE-X74-0106**	HPE SN8700B 4-slot Dir Swch Core Blade**
SN6700B	X6	Q0T80BAE	HP-CHAS8ICLPODQ16-01-Z	HPE SN8600B 8-slot Dir Ent/PoD ICL LTU
SN6700B	X6	Q0T81BAE	HP-CHAS4ICLPODQ8-01-Z	HPE SN8600B 4-slot Dir Ent/PoD ICL LTU
SN6650B	G630	Q9V95B	HP-G630-48-0010-R-Z	HPE SN6650B 32Gb 128/48 48p SFP+ FC Swch
SN6650B	G630	Q9V95C	HPE-G630-48-0010-R-1-Z	HPE SN6650B 32Gb 128/48 48p SFP+ FC SWCH
SN6650B	G630	Q9V96C	HPE-G630-96-0011-R-1-Z	HPE SN6650B 32Gb 128/96 PP+ 96P SFP SWCH
SN6650B	G630	Q2S18B	HP-G630-48-0000-R-Z	HPE SN6650B 32Gb 128/48 FC Switch
SN6650B	G630	R7M11A	HPE-MENT24PTPOD-32G	HPE SN6650B 32Gb 24p SW FC Upg Lic Kit
SN6650B	G630	Q9N40A/AE	HP-MENT32QFLEX-01	HPE SN6650B 32-port QSFP28 Upgrade LTU
SN6650B	G630	Q9N41B/AE	HP-MENTEB5-01	HPE SN6650B Power Pack+ Upgrade LTU
SN6650B	G630	Q9N42B/AE	HP-MENT128IRPOD-01-M	HPE SN6650B Integrated Routing LTU

* Supported on both SN8700B/SN8600B (X7/X6) Director Platforms

** Upgrade an SN8600B to SN8700B (X6/X7)

HPE/Brocade Part Number Cross Reference

NOTE: See Brocade Optical Transceivers (page 11) for Optics Cross Reference

Product Family		Part Number		Description
HPE	Brocade	HPE	Brocade	
SN6600B	G620	R6V47A	HPE-G620-24-16G-R-1-Z	HPE SN6600B 32Gb 48/24 16Gb SFP+ FC Swch
SN6600B	G620	Q0U58C	HPE-G620-24-0010-R-1-Z	HPE SN6600B 32GB 48/24 24P SFP+ FC SWCH
SN6600B	G620	Q0U58B	HP-G620-24-0010-R-Z	HPE SN6600B 32Gb 48/24 24p SFP+ FC Swch
SN6600B	G620	Q0U60B	HP-G620-48-0010-R-Z	HPE SN6600B 32Gb 48/48 48p SFP+ FC Swch
SN6600B	G620	Q0U61B	HP-G620-48-0011-R-Z	HPE SN6600B 32Gb 48/48 PP+ 48p SFP+ Swch
SN6600B	G620	Q0U54B	HP-G620-24-0000-R-Z	HPE SN6600B 32Gb 48/24 FC Switch
SN6600B	G620	R6V48A	HPE-G6MIDRI2PTPOD-16G	HPE SN6600B 16Gb 12p SW FC Upg Lic Kit
SN6600B	G620	R6V49A	HPE-G6MIDRI2PTPOD-32G	HPE SN6600B 32Gb 12p SW FC Upg Lic Kit
SN6600B	G620	Q0T77A/AE	HP-MIDRI6QFLEX-01	HPE SN6600B 16-port 4XSFP Upgrade LTU
SN6600B	G620	Q0T78B/AE	HP-MIDREB5-01	HPE SN6600B Power Pack+ Upgrade LTU
SN6600B	G620	T5528BAE	HP-MIDRIIR-01-Z	HPE B-series Integrated Routing LTU
SN3600B	G610	R7R97A	HPE-G610-8-32G-5-L	HPE SN3600B 24/8 8p 32Gb SW SFP FC Swch
SN3600B	G610	R4G55B	HPE-G610-8-16G-5-L	HPE SN3600B 24/8 8p 16Gb SW SFP+ FC Swch
SN3600B	G610	R8P29A	HPE-G610-24-16G-5-L	HPE SN3600B 24/24 PP+ 24p 16G SW FC Swch
SN3600B	G610	R8P28A	HPE-G610-24-32G-5-L	HPE SN3600B 24/24 PP+ 24p 32G SW FC Swch
SN3600B	G610	Q1H70B	HP-G610-8-0000-R-Z	HPE SN3600B 32Gb 24/8 FC Switch
SN3600B	G610	Q1H71B	HP-G610-24-0000-R-Z	HPE SN3600B 32Gb 24/24 FC Switch
SN3600B	G610	Q1H72B	HP-G610-24-0001-R-Z	HPE SN3600B 32Gb 24/24 Pwr Pk+ FC Switch
SN3600B	G610	R7M09A	HPE-SMED8PTPOD-32G	HPE SN3600B 32Gb 8p SW FC Upg Lic Kit
SN3600B	G610	R7M10A	HPE-SMED8PTPOD-16G	HPE SN3600B 16Gb 8p SW FC Upg Lic Kit
SN3600B	G610	Q1Z10A/AE	HP-SMED8PTPOD-01	HPE SN3600B 8-PORT FC UPGRADE LTU
SN3600B	G610	Q1Z11B/AE	HP-SMEDEB4-01	HPE SN3600B POWER PACK+ UPGRADE LTU
SN4000B	7840	E7Y73C	HP-7840-B-0000-Z	HPE SN4000B PWR PK+ SAN Extension Switch
SN4000B	7840	D4U27BAE	HP-LEXTSUGI-01-Z	HPE StoreFabric SN4000B 10Gb WAN Rate Upgrade LTU
SN4000B	7840	D4U28BAE	HP-LEXTSUG2-01-Z	HPE StoreFabric SN4000B 40Gb WAN Rate Upgrade E-LTU
SN4000B	7840	T5528BAE	HP-MIDRIIR-01-Z	HPE B-series Integrated Routing LTU
SN4000B	7840	D4U29BAE	HP-LEXTSAFI-01-Z	HPE StoreFabric SN4000B FICON Accelerator LTU
SN2600B	7810	R6W20A	HPE-7810-04X6-Z	HPE SN2600B 32Gb 12/4 16Gb SFP+ Ext Swch
SN2600B	7810	R6W21A	HPE-7810-12X6-Z	HPE SN2600B 32G 12/12 PP 16G SFP Ex Swch
SN2600B	7810	R6W30A	HPE-7810-UG-Z	HPE SN2600B 8p POD Upg Lic 16G SFP+ Kit
BRCD 32Gb for Synergy	6548	Q2E55A	HP-G648-0010-Z	BRCD 32Gb/12 2SFP+ FC Switch for Synergy
BRCD 32Gb for Synergy	6548	Q2E56A	HP-G648-0011-Z	BRCD 32Gb/20 4SFP+ FC Switch for Synergy
BRCD 32Gb for Synergy	6548	Q2E57A	HP-G648-0012-Z	BRCD 32Gb/20 4SFP+ PP FC Mod for Synergy
BRCD 32Gb for Synergy	6548	Q2E60A/AE	HP-EMBDEB3-01	BRCD 32Gb FC Mod PP+ E-LTU for Synergy
BRCD 32Gb for Synergy	6548	Q2E58A/AE	HP-EMBD8PTPOD-01	Brocade 32Gb FC Mod 8p E-LTU for Synergy
SN8000B	8510	E7Y68C	HP-DCX8510-B-2102	HPE SN8000B 16GB 32P SFP INTEGRD BLADE
SN8000B	8510	E7Y69C	HP-DCX8510-B-2148	HPE SN8000B 16GB 48P SFP INTEGRD BLADE
SN8000B	8510	E7Y80B	HP-DCX8510-2164	HPE DC SAN DIRECTOR 64-PORT 16GB FC BLADE
SN6500B	6520	C8R45B	HP-6520-48-0000R-Z	HPE SN6500B 96/48 Fibre Channel Switch
SN6500B	6520	C8R42B	HP-6520-96-0001R-Z	HPE SN6500B 96/96 Power Pack+ Fibre Channel Switch
SN6500B	6520	TC440A/AE	HP-ENTPOD-01	HPE StoreFabric SN6500B 24 Port FC UPG LTU
SN6500B	6520	TC511AAE	HP-MENTFV-01	HPE 8/16Gb High End Switch Fab Vsn LTU
SN6500B	6520	TC511AAE	HP-MENTFV-01	HPE 8/16Gb High End Switch Fab Vsn LTU
SN6500B	6520	J4V61AAE	HQ-3900TRK-01	HPE SW 32-64 Port TRK SW LTU
SN6500B	6520	T5529A/AE	HP-MENTIR-01-M	HPE 8/80 and Encryption Switch Integrated Routing LTU
SN6500B	6520	J4V63AAE	HQ-3900EXF-01	HPE SW 32-64 Port EF SW LTU
SANnav	SANnav	R3P45AAE	HP-SSMPBIY-01-OSUB	HPE SANnav Mgmt Portal Base 1yr E-LTU
SANnav	SANnav	R3P48AAE	HP-SSMPB3Y-01-OSUB	HPE SANnav Mgmt Portal Base 3yr E-LTU
SANnav	SANnav	R4P29AAE	HP-SSMPB5Y-01-OSUB	HPE SANnav Mgmt Portal Base 5yr LTU
SANnav	SANnav	R3P46AAE	HP-SSMPEIY-01-OSUB	HPE SANnav Mgmt Portal Ent 1yr E-LTU
SANnav	SANnav	R3P49AAE	HP-SSMPE3Y-01-OSUB	HPE SANnav Mgmt Portal Ent 3yr E-LTU
SANnav	SANnav	R4P30AAE	HP-SSMPE5Y-01-OSUB	HPE SANnav Mgmt Portal Ent 5yr LTU
SANnav	SANnav	R3P47AAE	HP-SSGV1Y-01-OSUB	HPE SANnav Global View 1yr E-LTU
SANnav	SANnav	R3P50AAE	HP-SSGV3Y-01-OSUB	HPE SANnav Global View 3yr E-LTU
SANnav	SANnav	R4P31AAE	HP-SSGV5Y-01-OSUB	HPE SANnav Global View 5yr LTU
BRCD 16Gb for Synergy	6558	D4U69A/AE	HP-EMBD12PTPOD-01	BRCD 16GB FC SW 12P LTU FOR SYNERGY
BRCD 16Gb for Synergy	6558	TC464B/AE	HP-EMBDEB-01	HPE Brocade 16Gb BladeSystem PP+ Upgr LTU
BRCD 16Gb for Synergy	6558	T5527A/AE	HP-SMEDTRK-01	HPE B-series Entry Switch ISL Trunking LTU
BRCD 16Gb for Synergy	6558	TC514A/AE	HP-EMBDV2-01	HPE 8/16Gb Embedded Switch Fab Vsn LTU
SN8000B	8510	TC389B/AE	HP-DCX8ENTICL-01-Z	HPE SN8000B 8-SLOT DIR ENTERPRISE ICL LTU
SN8000B	8510	TC390B/AE	HP-DCX4ENTICL-01-Z	HPE SN8000B 4-SLOT DIR ENTERPRISE ICL LTU

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