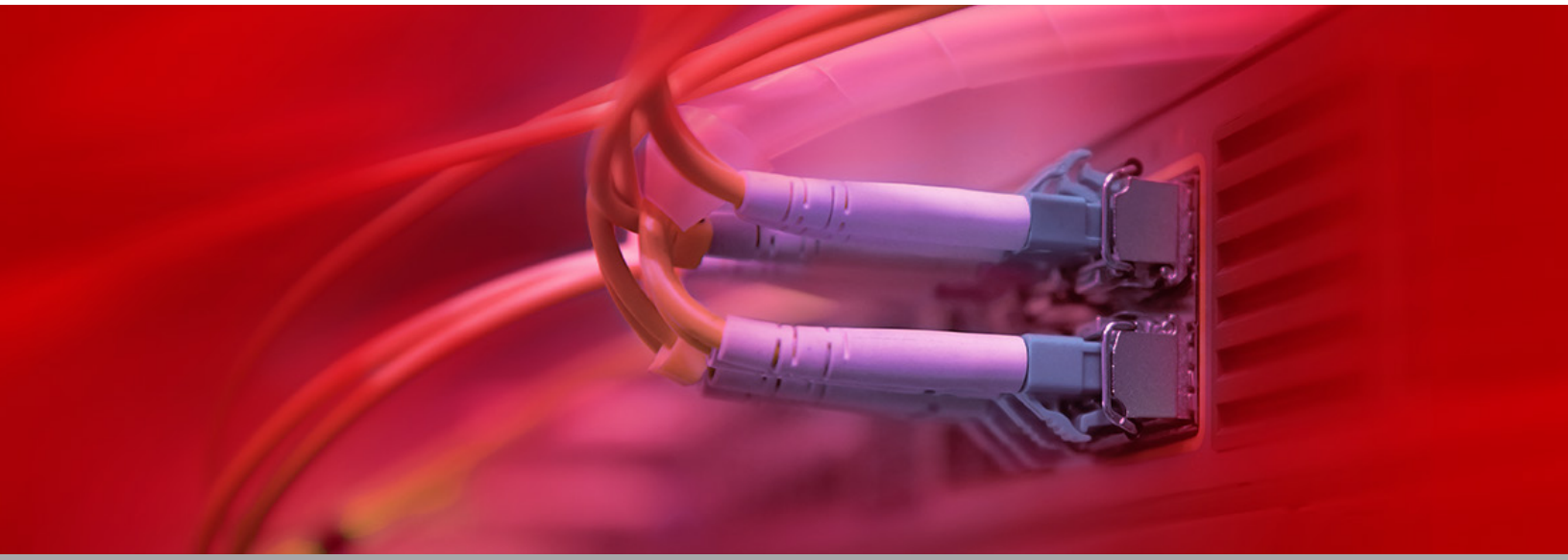
BROCADE
A Broadcom Company

HITACHI
Inspire the Next

REFERENCE GUIDE

Storage Area Networks

Brocade Fibre Channel Products



broadcom.com/brocade

Storage Area Networks (SAN) Directors

BROCADE MODEL	GEN 8 (128GB) DIRECTORS	
	X8-8	X8-4
		
Ports	Up to 384 128Gb/s Ports Up to 16 UltraScale ICL Ports	Up to 192 128Gb/s Ports Up to 8 UltraScale ICL Ports
Port Speed	16, 32, 64, 128 Gbps	16, 32, 64, 128 Gbps
Hitachi Vantara Models	**HD-X88-0002-Z.P** (0PSU, 0FAN, 2CP, 2CORE, 0ICL 0P, 0SFP) Customer to procure (3) fans and (6) PSUs with matching airflow direction. Power cords not included. Includes 36 months of support	**HD-X84-0002-Z.P** (0PSU, 0FAN, 2CP, 2CORE, 0ICL 0P, 0SFP) Customer to procure (3) fans and (4) PSUs with matching airflow direction. Power cords not included. Includes 36 months of support
Port Blade Options	**BR-X8-1148.P** (PORT BLADE, FC128-48, 48x64G SWL SFP+) **BR-X8-2148.P** (PORT BLADE, FC128-48, 48x128G SWL SFP+) **BR-X8-3148.P** (PORT BLADE, FC128-48, 48x64G LWL SFP+)	**BR-X8-1148.P** (PORT BLADE, FC128-48, 48x64G SWL SFP+) **BR-X8-2148.P** (PORT BLADE, FC128-48, 48x128G SWL SFP+) **BR-X8-3148.P** (PORT BLADE, FC128-48, 48x64G LWL SFP+)
Interchassis Links (ICL) POD Kits	**BR-X88ICLKIT-100M-01-Z.P** (X8-8 ICL KIT,2 BLADES,8 GEN8 ICL SW OSFP) **BR-X88ICLKIT-2KM-01-Z.P** (X8-8 ICL KIT,2 BLADES,8 GEN8 ICL LW OSFP) Includes 36 months of support	**BR-X84ICLKIT-100M-01-Z.P** (X8-4 ICL KIT,2 BLADES,4 GEN8 ICL SW OSFP) **BR-X84ICLKIT-2KM-01-Z.P** (X8-4 ICL KIT,2 BLADES,4 GEN8 ICL LW OSFP) Includes 36 months of support
Interchassis Links (ICL) POD Upgrade Kits	**BR-X8ICLUPG-100M-01.P** (UPGRADE X8 ICL KIT,4 GEN8 SW OSFP) **BR-X8ICLUPG-2KM-01.P** (UPGRADE X8 ICL KIT,4 GEN8 LW OSFP) Max. 2 upgrade kits per X8-8 chassis.	**BR-X8ICLUPG-100M-01.P** (UPGRADE X8 ICL KIT,4 GEN8 SW OSFP) **BR-X8ICLUPG-2KM-01.P** (UPGRADE X8 ICL KIT,4 GEN8 LW OSFP) Max. 1 upgrade kit per X8-4 chassis.
Power and Fan Options	**BR-X8-RACNPIPSU-0104.P** (UPGRADE 1 X8 PSU, NPI, 3000W, 240V AC INPUT) **BR-X8-RACNPEPSU-0104.P** (UPGRADE 1 X8 PSU, NPE, 3000W, 240V AC INPUT) **BR-X88-FANNPI-0122.P** (UPGRADE 1 FAN ASSEMBLY, X8-8, NPI) **BR-X88-FANNPE-0122.P** (UPGRADE 1 FAN ASSEMBLY, X8-8, NPE) Select (3) fans and (6) PSUs with matching airflow direction.	**BR-X8-RACNPIPSU-0104.P** (UPGRADE 1 X8 PSU, NPI, 3000W, 240V AC INPUT) **BR-X8-RACNPEPSU-0104.P** (UPGRADE 1 X8 PSU, NPE, 3000W, 240V AC INPUT) **BR-X84-FANNPI-0122.P** (UPGRADE 1 FAN ASSEMBLY, X8-4, NPI) **BR-X84-FANNPE-0122.P** (UPGRADE 1 FAN ASSEMBLY, X8-4, NPE) Select (3) fans and (4) PSUs with matching airflow direction.
Power Cords	**XBR-000123.P** (FRU, C19/C20 CABLE) **XBR-DCX-0132.P** (FRU, AC POWER CORD, NA,250V) **XBR-DCX-0134.P** (FRU, AC PWR CORD, EU (NO UK/NO), CEE7/7) **XBR-DCX-0135.P** (FRU, AC POWER CORD, NA, AUST/NZ,250V) **XBR-DCX-0136.P** (FRU, AC POWER CORD, UK/NO, 230V) **XBR-DCX-0137.P** (FRU, AC PWR CORD, 110V, 20A, NEMA, 3M) **XBR-DCX-0138.P** (FRU, 1 PWR CORD, 15FEET, 20A 250VAC) 6 Power Cords required	**XBR-000123.P** (FRU, C19/C20 CABLE) **XBR-DCX-0132.P** (FRU, AC POWER CORD, NA,250V) **XBR-DCX-0134.P** (FRU, AC PWR CORD, EU (NO UK/NO), CEE7/7) **XBR-DCX-0135.P** (FRU, AC POWER CORD, NA, AUST/NZ,250V) **XBR-DCX-0136.P** (FRU, AC POWER CORD, UK/NO, 230V) **XBR-DCX-0137.P** (FRU, AC PWR CORD, 110V, 20A, NEMA, 3M) **XBR-DCX-0138.P** (FRU, 1 PWR CORD, 15FEET, 20A 250VAC) 4 Power Cords required
Rack Mount Kits	**XBR-RMK-0120.P** (FRU,4 POST RACK MOUNT KIT, 27-31 IN, V2, BR) – Default / Included **XBR-RMK-0152.P** (FRU,4 POST RACK MOUNT KIT,22-27 IN, V2, BR)	**XBR-RMK-0120.P** (FRU,4 POST RACK MOUNT KIT, 27-31 IN, V2, BR) – Default / Included **XBR-RMK-0152.P** (FRU,4 POST RACK MOUNT KIT,22-27 IN, V2, BR)
Included Software	Fabric Vision, ISL Trunking, Extended Fabrics, FICON CUP and Integrated Routing (enabled by default in Fabric OS)	Fabric Vision, ISL Trunking, Extended Fabrics, FICON CUP and Integrated Routing (enabled by default in Fabric OS)

Storage Area Networks (SAN) Switches

BROCADE MODEL	GEN 8 (128GB) SWITCH
	G820
	
Ports	24-56 Ports
Ports Speed	16, 32, 64, 128 Gbps
Hitachi Vantara Models	**HD-G820-24-64G-F-Z.P** (G820, 24P, 64G SWL SEC SFP, AC, NON-PRTSD EXH) **HD-G820-24-64G-R-Z.P** (G820, 24P, 64G SWL SEC SFP, AC, NON-PORTSD INTK) **HD-G820-24-128G-F-Z.P** (G820, 24P, 128G SWL SEC SFP, AC, NON-PRTSD EXH) **HD-G820-24-128G-R-Z.P** (G820, 24P, 128G SWL SEC SFP, AC, NON-PORTSD INTK) Includes 36 months of support
Ports on Demand (POD) Kits	**XBR-MIDR8G8POD-64G.P** (S/W 8 PORT ON DMD W 8x 64G SWL SECURE SFP) **XBR-MIDR8G8POD-128G.P** (S/W 8 PORT ON DMD W 8x 128G SWL SECURE SFP)
Rail Kits	**XBR-R000296.P** (Fixed Rack Mount Kit for 4 post racks) – Included with HD-G820 Switch **XBR-R000294.P** (Mid-Mount Rack Kit for 2 post racks)
Included Accessories	USB-C to RJ-45 Console Cable Mini-USB to RJ-45 Console Adapter with Thumb Screws XBR-R000296.P (Fixed Rack Mount Kit for 4 post racks) Two 6' C13 / NEMA 5-15 power cords
Included Software	Fabric Vision, ISL Trunking, Extended Fabrics, FICON CUP and Integrated Routing (enabled by default in Fabric OS)

Storage Area Networks (SAN) Directors

BROCADE MODEL	GEN 7 (64GB) DIRECTORS	
	X7-8	X7-4
		
Ports	Up to 512 64Gb/s ports Up to 32 UltraScale ICL Ports	Up to 256 64Gb/s ports Up to 16 UltraScale ICL Ports
Port Speed	4, 8, 10, 16, 32, 64 Gbps	4, 8, 10, 16, 32, 64 Gbps
Hitachi Vantara Models	**HD-X78-0002-Z.P** (0PSU, 0FAN, 2CP, 2CORE, 0P, 0SFP, EB) Customer to procure (3) fans and (4) PSUs with matching airflow direction. Power cords not included. Includes 36 months of support	**HD-X74-0002-Z.P** (0PSU, 0FAN, 2CP, 2CORE, 0P, 0SFP, EB) Customer to procure (2) fans and (2) PSUs with matching airflow direction. Power cords not included. Includes 36 months of support
Port Blade Options	**BR-X764-2164.P** (Port Blade, FC64-64, 32x64G SWL SFP-DDs) **BR-X764-2148.P** (Port Blade, FC64-48, 48x64G SWL SEC SFP+) **BR-X764-5148.P** (Port Blade, FC64-48, 48x64G LWL SEC SFP+) **BR-X764-1148.P** (Port Blade, FC64-48, 48x32G SWL SEC SFP+) **BR-X764-3148.P** (Port Blade, FC64-48, 48x32G LWL SEC SFP) **BR-X732-2148.P** (Port Blade, FC32-X7-48, 48P, 48x32G SEC SFP+) **BR-X732-0148.P** (Port Blade, FC32-X7-48, 48P, 0 SFP+)	**BR-X764-2164.P** (Port Blade, FC64-64, 32x64G SWL SFP-DDs) **BR-X764-2148.P** (Port Blade, FC64-48, 48x64G SWL SEC SFP+) **BR-X764-5148.P** (Port Blade, FC64-48, 48x64G LWL SEC SFP+) **BR-X764-1148.P** (Port Blade, FC64-48, 48x32G SWL SEC SFP+) **BR-X764-3148.P** (Port Blade, FC64-48, 48x32G LWL SEC SFP) **BR-X732-2148.P** (Port Blade, FC32-X7-48, 48P, 48x32G SEC SFP+) **BR-X732-0148.P** (Port Blade, FC32-X7-48, 48P, 0 SFP+)
Extension Blade Options	**HD-SX6-0001-Z.P** (SX6 EXTBLD, 16x32G SWLSFPS, 0 1/10/40GBE, 14 mo. support) **HD-SX6-0002-Z.P** (SX6 EXTBLD, 16x32G LWLSFPS, 0 1/10/40GBE, 14 mo. support)	**HD-SX6-0001-Z.P** (SX6 EXTBLD, 16x32G SWLSFPS, 0 1/10/40GBE, 14 mo. support) **HD-SX6-0002-Z.P** (SX6 EXTBLD, 16x32G LWLSFPS, 0 1/10/40GBE, 14 mo. support)
Interchassis Links (ICL) POD Kits	**BR-X7ICLKIT-100M-01-Z.P** (X7 ICL POD KIT, Qty. 8 GEN 7 ICL QSFPS) **BR-X7GEN6ICLKIT-100M-01-Z.P** (X7 32G ICL KIT, LIC, Qty. 8 4X32G QSFPS 100M) **BR-X7ICLKIT-2KM-01-Z.P** (X7 2KM ICL KIT, LIC & 8 GEN-7 2KM ICL QSFPS) All SKUs include 14 months maintenance support **Note: Minimum Qty. 1 x ICL POD kits and Maximum Qty. 4 x ICL POD kits per chassis**	**BR-X7ICLKIT-100M-01-Z.P** (X7 ICL POD KIT, Qty. 8 GEN 7 ICL QSFPS) **BR-X7GEN6ICLKIT-100M-01-Z.P** (X7 32G ICL KIT, LIC, Qty. 8 4X32G QSFPS 100M) **BR-X7ICLKIT-2KM-01-Z.P** (X7 2KM ICL KIT, LIC & 8 GEN-7 2KM ICL QSFPS) All SKUs include 14 months maintenance support **Note: Minimum Qty. 1 x ICL POD kit and Maximum Qty. 2 x ICL POD kits per chassis**
Power and Fan Options	**BR-X6-RACNPIPSU-0104.P** (1 PSU, NPI, 3000W, 240V AC INPUT) **BR-X6-RACNPEPSU-0104.P** (1 PSU, NPE, 3000W, 240V AC INPUT) **BR-X6-HVNPIPSU-0104.P** (1 HV PSU, NPI, 3000W,240-380VDC, 277VAC) **BR-X6-HVNPEPSU-0104.P** (1 HV PSU, NPE, 3000W, 240-380VDC, 277VAC) **BR-X6-FANNPI-0122.P** (1 Fan Tray, NPI) **BR-X6-FANNPE-0122.P** (1 Fan Tray, NPE) **BR-DCX-0132.P** (C19 / L6-20 North America, 2 Power Cords, 3.0m, 20A, 250V) **BR-DCX-0134.P** (C19 / CEE 7/7 Europe/No UK, 2 Power Cords, 2.5m, 16A, 250V) **BR-DCX-0135.P** (C19 / AS 3112 Australia/NZ, 2 Power Cords, 2.5m, 20A, 250V) **BR-DCX-0136.P** (C19 / IEC 60309 UK, 2 Power Cords, 2.5m, 20A, 250V) **BR-DCX-0137.P** (C19 / NEMA 5-20 North America, 2 Power Cords, 3.0m, 20A, 125V) **BR-DCX-0138.P** (C19 / L6-20 North America, 2 Power Cords, 15FT, 20A, 250V) **XBR-000123.P** (C19 / C20 PDU extension cable, 2.5m, 20A, 250V)	**BR-X6-RACNPIPSU-0104.P** (1 PSU, NPI, 3000W, 240V AC INPUT) **BR-X6-RACNPEPSU-0104.P** (1 PSU, NPE, 3000W, 240V AC INPUT) **BR-X6-HVNPIPSU-0104.P** (1 HV PSU, NPI, 3000W,240-380VDC, 277VAC) **BR-X6-HVNPEPSU-0104.P** (1 HV PSU, NPE, 3000W, 240-380VDC, 277VAC) **BR-X6-FANNPI-0122.P** (1 Fan Tray, NPI) **BR-X6-FANNPE-0122.P** (1 Fan Tray, NPE) **BR-DCX-0132.P** (C19 / L6-20 North America, 2 Power Cords, 3.0m, 20A, 250V) **BR-DCX-0134.P** (C19 / CEE 7/7 Europe/No UK, 2 Power Cords, 2.5m, 16A, 250V) **BR-DCX-0135.P** (C19 / AS 3112 Australia/NZ, 2 Power Cords, 2.5m, 20A, 250V) **BR-DCX-0136.P** (C19 / IEC 60309 UK, 2 Power Cords, 2.5m, 20A, 250V) **BR-DCX-0137.P** (C19 / NEMA 5-20 North America, 2 Power Cords, 3.0m, 20A, 125V) **BR-DCX-0138.P** (C19 / L6-20 North America, 2 Power Cords, 15FT, 20A, 250V) **XBR-000123.P** (C19 / C20 PDU extension cable, 2.5m, 20A, 250V)
Optional Hardware	**XBR-X78-0105.P** (FRU, HORIZONTAL CABLE MGMT COMB, BR) **XBR-DCX-0120.P** (FRU, RACK MOUNT KIT,14U (27"-31") – Default / Included **XBR-DCX-0121.P** (FRU, MID RACK MOUNT KIT, 14U) **XBR-DCX-0152.P** (FRU, 4-POST RACK MOUNT KIT, 14U (22-27 INCH)	**XBR-X74-0105.P** (FRU, X7-4 VERT CABLE MGMT, BR) **XBR-X64-0126.P** (FRU, Mid Mount Kit, X6-4, BR) **XBR-DCX4S-0120.P** (FRU, RACK MOUNT KIT, 27-31 IN, DCX-4S,BR) **XBR-DCX4S-0121.P** (FRU, 27-31", AIRFLOW DIVERSION KIT, 4 Slot) – Default / Included **XBR-DCX4S-0130.P** (FRU, 18-24", AIRFLOW DIVERSION KIT, 4 Slot)
Included Software	Enterprise bundle (Trunking, Fabric Vision, Extended Fabric, Integrated Routing and FICON CUP)	Enterprise bundle (Trunking, Fabric Vision, Extended Fabric, Integrated Routing and FICON CUP)

Storage Area Networks (SAN) Switches

BROCADE MODEL	GEN 7 (64GB) SWITCHES		
	G730	G720	G710
			
Ports	48-128 Ports	24-64 Ports	8-24 Ports
Ports Speed	8, 10, 16, 32, 64 Gbps	8, 10, 16, 32, 64 Gbps	8, 16, 32, 64 Gbps
Hitachi Vantara Models	**HD-G730-48-64G-R-Z.P** (G730, 48P, 64G SWL SFP, AC, PORTSD EXH, ENT Bundle) **HD-G730-48-64G-F-Z.P** (G730, 48P, 64G SWL SFP, AC, PORTSD INTK, ENT Bundle) Includes 36 months of support	**HD-G720-24-32G-R-Z.P** (G720, 24P, 32G SEC SWL SFP, AC, PORTSD EXH, ENT Bundle) **HD-G720-24-32G-F-Z.P** (G720, 24P, 32G SEC SWL SFP, AC, PORTSD INTK, ENT Bundle) **HD-G720-24-64G-R-Z.P** (G720, 24P, 64G SEC SWL SFP, AC, PORTSD EXH, ENT Bundle) **HD-G720-24-64G-F-Z.P** (G720, 24P, 64G SEC SWL SFP, AC, PORTSD INTK, ENT Bundle) Includes 36 months of support	**HD-G710-8-32G-0-L.P** (G710, 8P, 8x32GB, SWL, SFP, AC) **HD-G710-8-64G-0-L.P** (G710, 8P, 8x64GB, SWL, SFP, AC) All G710 SKUs include Lifetime Warranty
Ports on Demand (POD) Kits	**XBR-MENT24G7POD-64G.P** (S/W 24 PORT ON DEMAND WITH 24 64G SWL SFPs) **XBR-MENT32DDG7POD-64G.P** (S/W 32 PORT ON DEMAND WITH 16 64G SWL SFP-DDs)	**XBR-MIDR8PTPOD-32G.P** (S/W 8 PORT ON DEMAND WITH 8 32G SEC SWL SFP) **XBR-MIDR8PTPOD-64G.P** (S/W 8 PORT ON DEMAND WITH 8 64G SEC SWL SFP) **XBR-MIDR16DDG7POD-64G.P** (S/W 16 PORT-ON-DEMAND, WITH 8 BR 64G SWL SFP-DDs)	**XBR- SMED8G7POD-32G.P** (S/W, 8 Port-on-Demand, 8x32G SWL SFP) **XBR-SMED8G7POD-64G.P** (S/W, 8 Port-on-Demand, 8x64G SWL SFP)
Rail Kits	**XBR-R000296.P** (Fixed Rack Mount Kit for 4 post racks) – Included with HD-G730 Switch **XBR-R000294.P** (Mid-Mount Rack Kit for 2 post racks)	**XBR-R000296.P** (Fixed Rack Mount Kit for 4 post racks) – Included with HD-G720 Switch **XBR-R000294.P** (Mid-Mount Rack Kit for 2 post racks)	**XBR-R000162.P** (4-post Fixed Rack Mount Kit) - Included with G710 Switch X**BR-000165.P** (Mid-Mount (TELCO) Rack Kit) **XBR-R000070.P** (Slide Rack Mount Kit)
Included Accessories	Two 6' C13 / NEMA 5-15 power cords (PCUSA2) Serial cable with RJ-45 connector	Two 6' C13 / NEMA 5-15 power cords RJ45-Mini USB connector	One 6' C13 / NEMA 5-15 power cord (PCUSA2) Serial console cable (RJ-45 to USB-C)
Included Software	Enterprise License Bundle (Fabric Vision, ISL Trunking, Extended Fabrics, and Integrated Routing)	Enterprise License Bundle (Fabric Vision, ISL Trunking, Extended Fabrics, FICON CUP and Integrated Routing)	Fabric Vision, ISL Trunking, Extended Fabrics

Storage Area Networks (SAN) Switches

BROCADE MODEL	GEN 6 (32GB) SWITCHES	
	G630	G610
		
Ports	48-128 Ports	8-24 Ports
Ports Speed	4, 8, 10, 16, or 32 Gbps	4, 8, 16, or 32 Gbps
Hitachi Vantara Models	**HD-G630-48-32G-R-1-Z.P** (48P 32G SWL SFP, Portside Exhaust) **HD-G630-48-32G-F-1-Z.P** (48P 32G SWL SFP, Portside Intake) **HD-G630-96-32G-R-1-Z.P** (96P 32G SWL SFP, ENT, Portside Exhaust) Includes 36 months of support	**HD-G610-8-16G-5-L.P** (8P, 8x16GB, SWL, SFP, AC) **HD-G610-24-16G-5-L.P** (24P, 24x16GB, SWL, SFP, AC, ENT) **HD-G610-8-32G-5-L.P** (8P, 8x32GB SWL SFP, AC) **HD-G610-24-32G-5-L.P** (24P, 24x32GB, SWL, SFP, AC, ENT) All G610 SKUs (with -5-L) include Lifetime Warranty
Ports on Demand (POD) Kits	**XBR-MENT24PTPOD-32G.P** (S/W 24 PORT ON DEMAND WITH 24 32G SWL SFP) **XBR-MENT32QFLEX-32G.P** (S/W 32 PORT ON DEMAND WITH 8 4X32G SWL QSFP)	**XBR-SMED8PTPOD-16G.P** (S/W, 8 Port-on-Demand, 8x16G SWL SFP) **XBR-SMED8PTPOD-32G.P** (S/W, 8 Port-on-Demand, W/ 8 X 32G SWL)
Rail Kits	**XBR-R000296.P** (Fixed Rack Mount Kit for 4 post racks) - Included with HD-G630 Switch **XBR-R000294.P** (Mid-Mount Rack Kit for 2 post racks)	**XBR-R000162.P** (4-post Fixed Rack Mount Kit) - Included with HD-G610 Switch **XBR-000165.P** (Mid-Mount (TELCO) Rack Kit) **XBR-R000070.P** (Slide Rack Mount Kit)
Included Accessories	Two 6' C13 / NEMA 5-15 power cords (PCUSA2) RJ45-Mini USB connector	One 6' C13 / NEMA 5-15 power cords (PCUSA2) Serial cable with RJ-45 connector
Optional Software	**BR-MENT128IRPOD-01-Z.P** (Integrated Routing, 14 months support) **BR-MENTEB5-01.P** (Enterprise Bundle: Trunking, Fabric Vision, Extended Fabrics)	**BR-SMEDEB4-01.P** (S/W, Enterprise Bundle: Trunking, Fabric Vision, Extended Fabrics)

Storage Area Networks (SAN) Management

Brocade SAN Management	Hitachi Vantara Part Number	Description
SANnav Management Portal Base License (Manage up to 600 Switch ports only)		
	BR-SSMPB1Y-01-OSUB.P	SANnav MP BSE 1YR 600 PRT, NO DIR, OEM
	BR-SSMPB3Y-01-OSUB.P	SANnav MP BSE 3YR 600 PRT, NO DIR, OEM
	HD-SSMPB5Y-01-OSUB.P	SANnav MP BSE 5YR 600 PRT, NO DIR, OEM
SANnav Management Portal Enterprise License (Manage up to 15,000 Switch & Director ports)		
	BR-SSMPE1Y-01-OSUB.P	SANnav MP ENT 1YR 15K PRT, DIR, OEM
	BR-SSMPE3Y-01-OSUB.P	SANnav MP ENT 3YR 15K PRT, DIR, OEM
	HD-SSMPE5Y-01-OSUB.P	SANnav MP ENT 5YR 15K PRT, DIR, OEM
SANnav Global View (Manage up to 20 SANnav Management Portal instances)		
	BR-SSGV1Y-01-OSUB.P	SANnav GLOBAL VIEW 1YR, OEM
	BR-SSGV3Y-01-OSUB.P	SANnav GLOBAL VIEW 3YR, OEM
	HD-SSGV5Y-01-OSUB.P	SANnav GLOBAL VIEW 5YR, OEM
SANnav Subscription Renewals for Existing Customers		
	BR-SSMPB-01-ROSUB.P	SANnav Management Portal Base, NO DIR, Renewal
	BR-SSMPE-01-ROSUB.P	SANnav Management Portal Enterprise, DIR, Renewal
	BR-SSGV-01-ROSUB.P	SANnav Global View, Renewal

Storage Area Network (SAN) Extension

BROCADE MODEL	EXTENSION SWITCHES	
	7850	7810
		
Ports	(24) 64G FC + (16) 1/10/25GbE + (2) 100GbE	(12) FC 32G + (6) 1GbE/10GbE + (2) 1GbE RJ45 (maximum of 6 IP ports can be used)
Port Speed	8, 16, 32, and 64 Gbps FC 1, 10, 25 and 100 GbE	8, 16, and 32 Gbps FC 1, and 10GbE
Hitachi Vantara Models	**HD-7850-0001-Z.P** 7850 Open Systems bundle, 16x 64G SWL SFP, 4x 10/1GE SR SFP, 4x 25/10GE SR SFP, 2x 100GE SR4 QSFP), ENT Bundle (TRK, FV, EF, IR) **HD-7850-0002-Z.P** 7850 Mainframe Bundle, 16x 64G LWL SFP, 4x 10/1GE SR SFP, 4x 25/10GE SR SFP, 2x 100GE SR4 QSFP, FICON ENT Bundle (TRK, FV, EF, IR, CUP), ADV Accelerator for FICON All SKUs are Portside Exhaust Air Flow Includes 36 months of support	**HD-7810-04X6-Z.P** (4 Ports: 4x16Gb SWL SFP, rail kit), IP Optics Not Included **HD-7810-12X6-Z.P** (12 Ports: 12x16Gb SWL SFP, rail kit), IP Optics Not Included Includes 36 months of support
Rail Kits	**XBR-R000296.P** (Fixed Rack Mount Kit for 4 post racks) - Included with HD-7850 **XBR-R000294.P** (Mid-Mount Rack Kit for 2 post racks)	**XBR-R000296.P** (Fixed Rack Mount Kit for 4 post racks) - Included with HD-7810 **XBR-R000294.P** (Mid-Mount Rack Kit for 2 post racks)
Included Accessories	Two 6' C13 / NEMA 5-15 power cords (PCUSA2) Serial cable with RJ-45 to DB9F connector	Two 6' C13 / NEMA 5-15 power cords (PCUSA2) Serial cable with RJ-45 connector
Optional Software		**XHD-7810-UG-Z.P** (Upgrade License, with 8x16Gb SFP, 14 months support)

Optics

Description	SKU (Qty)	Directors and Blades						Switches						Extension		
		X8 ICL	X7 ICL	FC128-48	FC64-64	FC64-48	FC32-X7-48	G820	G730	G720	G710	G630	G610	SX6	7810	7850
Fibre Channel Optics																
SFP+, SWL, 128G, SECURE	XBR-000500.P (1PK) XBR-000501.P (8PK)			Yes				Yes								
SFP+, SWL, 64G, SECURE	XBR-000462.P (1PK) XBR-000463.P (8PK)			Yes	Yes	Yes		Yes	Yes	Yes	Yes					Yes
SFP+, LWL, 64G, 10KM, SECURE	XBR-000468.P (1PK) XBR-000469.P (8PK)			Yes	Yes	Yes		Yes	Yes	Yes	Yes					Yes
SFP+, ELWL 25KM, 64G, SECURE	XBR-000466.P (1PK)			Yes		Yes		Yes	Yes	Yes						Yes
SFP-DD, SWL, 64G, SECURE	XBR-000464.P (1PK) XBR-000465.P (8PK)				Yes				Yes	Yes						Yes
OSFP, SWL, GEN 8 ICL, SECURE	XBR-000502.P (1PK)	Yes														
OSFP, 2KM LWL, GEN 8 ICL, SECURE	XBR-000503.P (1PK)	Yes														
QSFP, SWL, GEN 7 ICL, SECURE	XBR-000420.P (1PK)		Yes													
QSFP, 2KM, GEN 7 ICL, SECURE	XBR-000476.P (1PK)		Yes													
SFP+, SWL, 32G, SECURE	XBR-000412.P (1PK) XBR-000413.P (8PK)					Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SFP+, LWL, 32G, 10KM	XBR-000238.P (1PK) XBR-000239.P (8PK)											Yes	Yes	Yes	Yes	
SFP+, LWL, 32G, 10KM, SECURE	XBR-000438.P (1PK) XBR-000439.P (8PK)				Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SFP+, ELWL, 32G, 25KM	XBR-000278.P (1PK)											Yes	Yes	Yes		
SFP+, ELWL, 32G, 25KM, SECURE	XBR-000478.P (1PK)					Yes	Yes		Yes	Yes		Yes	Yes	Yes		
SFP+, ELWL, 32G, 25KM, SECURE	XBR-000479.P (1PK)				Yes	Yes	Yes		Yes	Yes	Yes	Yes				
QSFP, SWL,4X32G, WITH BREAKOUT, SECURE	XBR-000475.P (1PK)		Yes									Yes				
SFP+, SWL, 16G	XBR-000192.P (1PK) XBR-000193.P (8PK)											Yes	Yes	Yes	Yes	
QSFP, SWL,4X16G, WITH BREAKOUT	XBR-000245.P (1PK)											Yes				
Ethernet Optics for FCIP Ports																
SFP, 1GE COPPER	XBR-000190.P (1PK)													Yes	Yes	
SFP+, 1000BASE-SX,MMF	E1MG-SX-OM.P (1PK) E1MG-SX-OM-8.P (8PK)													Yes	Yes	
SFP+, 1000BASE-LX,SMF	E1MG-LX-OM.P (1PK) E1MG-LX-OM-8.P (8PK)													Yes	Yes	
SFP+, SR, 10G	XBR-000180.P (1PK) XBR-000181.P (8PK)													Yes	Yes	
SFP+, LR, 10G	XBR-000182.P (1PK) XBR-000183.P (8PK)													Yes	Yes	
SFP+, 10G USR OPTIC	10G-SFPP-USR.P (1PK) 10G-SFPP-USR-8.P (8PK)													Yes	Yes	
QSFP+, SR, 40GE, LC, BIDIRECTIONAL	XBR-40G-SR-BIDI-0287.P (1PK)													Yes		
QSFP+, 40GBASE-SR4	40G-QSFP-SR4.P (1PK)													Yes		
QSFP+, 40GBASE-LR4	40G-QSFP-LR4.P (1PK)													Yes		
QSFP+, 40GBASE-ER4, 40KM, LC	40G-QSFP-ER4.P (1PK)													Yes		
100GE QSFP SR4	XBR-100G-SR4-01.P (1PK)															Yes
100GE QSFP LR4	XBR-100G-LR4-01 (1PK)															Yes
10/1GE SFP+ SR	XBR-10G-SR-01.P (1PK)															Yes
25/10GE SFP+ SR	XBR-25G-SR-01.P (1PK)															Yes
25/10GE SFP+ LR	XBR-25G-LR-01.P (1PK)															Yes

Note: Brocade Gen 7 and Gen 8 products require Secure Fibre Channel optics (denoted by SECURE) in their description..
Additional optics may be available. Please consult Brocade's Transceiver Support Matrix for the most current information.

BROCADE
A Broadcom Company

For product information please visit our website at: broadcom.com

Copyright © 2025 Broadcom. All Rights Reserved. Broadcom, the pulse logo, Connecting everything, Brocade, the stylized B logo, and Fabric Vision are among the trademarks of Broadcom. The term "Broadcom" refers to Broadcom Inc. and/or its subsidiaries.
BC-0590EN DECEMBER2025