Brocade Alliance Partner Network

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Brocade Alliance Partner Network

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QUICK REFERENCE GUIDE
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	BACKBONES				SWITCHES							FABRIC EXTENSION	ETHERNET FABRIC DATA CENTER SWITCHES WITH NETWORK OS	
	Brocade® DCX® Backbone	Brocade DCX-4S Backbone	Brocade DCX 8510-8 Backbone	Brocade DCX 8510-4 Backbone	Brocade 300 Switch	Brocade 5100 Switch	Brocade VA-40FC Switch	Brocade 5300 Switch	Brocade 6505 Switch	Brocade 6510 Switch	Brocade 8000 Switch	Brocade 7800 Extension Switch	VDX™ 6720 Switch	VDX 6730 Switch
PART NUMBERS	BR-DCX-0001	BR-DCX4S-0001 BR-DCX4S-0002	BR-DCX8518-0001	BR-DCX8514-0001 (includes Enterprise Bundle) BR-DCX8514-0002	BR-310-0004 (8P, W/O E-port, 4 Gbps SWL SFPs, EGM), BR-310-0008 (8P, W/O E-port, 8 Gbps SWL SFPs, EGM), BR-320-0004 (8P, Full Fabric, 4 Gbps SWL SFPs, EGM), BR-320-0008 (8P, Full Fabric, 8 Gbps SWL SFPs, EGM), BR-340-0004 (16P, Full Fabric, 4 Gbps SWL SFPs, EGM), BR-340-0008(16P, Full Fabric, 8 Gbps SWL SFPs, EGM), BR-360-0004 (24P, Full Fabric, 4 Gbps SWL SFPs, EGM), BR-360-0008 (24P, Full Fabric, 8 Gbps SWL SFPs, EGM)	BR-5120-0004 (24P, 4Gb SFPs) BR-5120-0008 (24P, 8Gb SFPs) BR-5140-0004 (40P, 4Gb SFPs) BR-5140-1004 (40P, 4Gb SFPs, Enterprise S/W Bundle) BR-5140-0008 (40P, 8Gb SFPs) BR-5140-1008 (40P, 8Gb SFPs, Enterprise S/W Bundle)	BR-VA40FC-1008 (40P, 8 Gbps SFPs, Non-port Air Intake) BR-VA40FC-2008 (40P, 8 Gbps SFPs, Port Air Intake)	BR-5320-0004 (48P, 4Gb SFPs), BR-5320-0008 (48P, 8Gb SFPs), BR-5340-0004 (80P, 4Gb SFPs), BR-5340-1004 (80P, 4Gb SFPs, Enterprise S/W Bundle), BR-5340-0008 (80P, 8Gb SFPs), BR-5340-1008 (80P, 8Gb SFPs, Enterprise S/W Bundle)	BR-6505-12-0R (12P, 0 SFPs, 1 Power Supply) BR-6505-12-16G0R (12P, 16Gb SFPs, 1 Power Supply) BR-6505-24-16G1R (24P, 16Gb SFPs, 1 Power Supply), includes Enterprise Software Bundle	BR-6510-24-16GF (24P, 16 Gbps SFPs, Non-port side exhaust), BR-6510-24-16GR (24P, 16 Gbps SFPs, Port side exhaust), BR-6510-48-16GF (48P, 16 Gbps SFPs, Non-port side exhaust, includes Enterprise Software Bundle), BR-6510-48-16GR (48P, 16 Gbps SFPs, Port side exhaust, includes Enterprise Software Bundle)	BR-8000-0008 (24P CEE, 8P Fibre Channel (FC) w/ 8 Gbps SFPs)	7800 4/2: BR-7800-0001 (4 8 Gbps FC, 2 1 GbE ports enabled) 7800 16/6: BR-7800F-0001 (16 8 Gbps FC, 6 1 GbE Ports Enabled)	BR-VDX 6720-16 BR-VDX 6720-24 BR-VDX 6720-40 BR-VDX 6720-60	BR-VDX 6730-16 BR-VDX 6730-24 BR-VDX 6730-40 BR-VDX 6730-60
PORTS	Up to 512 8 Gbps Ports for Device Connectivity, the Inter-Chassis Links Option Provides an Additional 512 Gbps of Bandwidth Between DCX Chassis	Up to 256 8 Gbps Ports for Device Connectivity, the Inter-Chassis Links Option Provides an Additional 256 Gbps of Bandwidth Between DCX or DCX-4S Chassis	Up to 384 16 Gbps ports for Device Connectivity, the Inter-Chassis Link Option Provides up to 32 QSFP Ports and 2.1 Tbps of Bandwidth Between Up to Ten Chassis	Up to 192 16 Gbps Ports for Device Connectivity, the Inter-Chassis Link Option Provides up to 16 QSFP Ports and 1 Tbps of Bandwidth Between Up to 6 Chassis	8, 16, 24	24, 32, 40	40	48, 64, 80	12,24	24, 36, 48	24 (CEE), 8 (FC)	4 FC and 2 GbE; 16 FC and 6 GbE	Up to 24 10 GbE/1 GbE SFP+ Ports on 6730-24 for FCoE Up to 60 10 GbE/1 GbE SFP+ Ports on 6730-60 for FCoE	Up to 24 10 GbE/1 GbE SFP+ Ports for FCoE and 8 FC Ports on 6730-24 Up to 60 10 GbE/1 GbE SFP+ Ports for FCoE and 16 FC Ports on 6730-60
PORT SPEED	1, 2, 4, 8, 10 Gbps	1, 2, 4, 8, 10 Gbps	2, 4, 8, 10, 16 Gbps	2, 4, 8, 10, 16 Gbps	1, 2, 4, 8 Gbps	1, 2, 4, 8 Gbps	2, 4, 8 Gbps	1, 2, 4, 8 Gbps	2,4,8,16 Gbps	2, 4, 8, 10, 16 Gbps	10 Gbps (CEE); 1, 2, 4, 8 Gbps (FC)	1/2/4/8 Gbps FC; 1 GbE	10 Gbps (CEE), 1,2,4,8 Gbps (FC)	10 Gbps (CEE), 1,2,4,8 Gbps (FC)
EXPANDABILITY	FCOE10-24 – FCoE Blade FS8-18- SAN Encryption Blade FX8-24- SAN Extension Blade FA4018- Application Blade	FCOE10-24 – FCoE Blade FS8-18- SAN Encryption Blade FX8-24- SAN Extension Blade FA4018- Application Blade	FC16-32 32-Port 16 Gbps Blade FC16-48 48-Port 16 Gbps Blade FC8-32E 32-port 8 Gbps Blade FC8-48E 48-port 8 Gbps Blade FC8-64 64-Port 8 Gbps Blade FS8-18 Encryption Blade FX8-24 Extension Blade	FC16-32 32-Port 16 Gbps Blade FC16-48 48-Port 16 Gbps Blade FC8-32E 32-port 8 Gbps Blade FC8-48E 48-port 8 Gbps Blade FC8-64 64-Port 8 Gbps Blade FS8-18 Encryption Blade FX8-24 Extension Blade	Ports on Demand (8 Ports)	Ports on Demand (8 Ports)	N/A	Ports on Demand (16 Ports)	12 Ports on Demand: with 16 GbE SW optics (12 Ports) (XBR-SMED12POD-16G with 0 optics (BR-SMED12POD-01)	12 Ports on Demand: with 16G SW Optics (12 Ports) (XBR-MIDR12POD-16G), with 8G SW Optics (12 Ports) (XBR-MIDR12POD-8G)	N/A	Optional software license for 7800 4/2 to activate additional 12 8 Gbps FC and 4 1 GbE ports and enable Open Systems Tape Pipelining. Also required for FICON support.		
FICON/CUP SUPPORT	Yes (with FICON CUP License)	Yes (with FICON CUP License)	FICON Cascading: Support for Lossless DLS; FICON CUP; Advanced Accelerator for FICON. The FC8-32E, FC8-48E, and FC8-64 Blade Does Not Support FICON.	FICON Cascading: Support for Lossless DLS; FICON CUP; Advanced Accelerator for FICON. The FC8-32E, FC8-48E, and FC8-64 Blade Does Not Support FICON.	No	Yes	No	Yes	Not available	Not available	No	Advanced Accelerator for FICON and FICON Cup support only available for 7800	No	No
HOT CODE ACTIVATION	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No (future release)	N/A	No	No
HARDWARE FEATURES	• Throughput of 4.1 Tbps per Chassis • Locally Switched Ports 700 ns • Blade-to-Blade Latency is 2.1 µsec • Hot-swappable Blades (CP, Core Switching and Port) • 2 Hot-swappable Redundant Power Supplies • 3 Hot-swappable Redundant Fans	• Throughput of 2 Tbps per Chassis • Locally Switched Ports 700 ns • Blade-to-Blade Latency is 2.1 µsec • Hot-swappable Blades (CP, Core Switching and Port) • 2 Hot-swappable Redundant Power Supplies • 2 Hot-swappable Redundant Fans	• Throughput of 8.2 Tbps per Chassis • Locally Switched Ports 700 ns • Blade-to-Blade Latency is 2.1 µsec • Hot-swappable Blades (CP, Core Switching and Port) • 2/4 Hot-swappable Redundant Power Supplies • 3 Hot-swappable Redundant Fans	• Throughput of 4.1 Tbps per Chassis • Locally Switched Ports 700 ns • Blade-to-Blade Latency is 2.1 µsec • Hot-swappable Blades (CP, Core Switching and Port) • 2 Hot-swappable Redundant Power Supplies • 2 Hot-swappable Redundant Fans	• Hot-swappable Blades (CP and port) • Single Fixed Power Supply • Fixed Redundant Fans • Singular Switch FRU • Optional Rack Mount Kits: Fixed, Slide, or Mid-mount	• 2 Hot-swappable, Redundant Integrated Power Supply/ Fan FRUs • Optional Rack Mount Kits: Fixed, Slide, or Mid-mount	• 2 Hot-swappable, Redundant Integrated Power Supply/Fan • Reversible Airflow Options • Optional Rack Mount Kits: Fixed (24"), Fixed (36"), Slide, or Mid-mount	• 2 Hot-swappable, Redundant Power Supplies • 3 Hot-swappable Redundant Fans • Optional Rack Mount Kits: Fixed, Slide, or Mid-mount	• 1 Hot-Swappable Integrated Power Supply/Fan with Optional Redundant Power Supply/Fan (XBR-5100-0001) • Optional Rack Mount Kits: Fixed, or Mid-Mount	• 2 Hot-swappable, Redundant Integrated Power Supply/Fan FRUs • Optional Rack Mount Kits: Fixed, or Mid-Mount	• 2 Hot-swappable, Redundant Power Supplies • 3 Hot-swappable Redundant Fans • Optional Rack Mount Kits: Fixed, Slide, or Mid-mount	• SAN and Storage bandwidth up to 128 Gbps • FCIP bandwidth up to 6 Gbps • Advanced Hardware Compression • Rack mount kit • Dual hot swappable (redundant) power supplies with integrated fans	• Up to 1200 Gbps Switching Capacity; Wire-Speed on All Ports • ISL Trunking in Hardware • Ports On Demand • Direct-Attached Copper and Optical Transceiver Cabling Options • Hot swappable, Redundant Power and Cooling • Reversible Front-to-Rear Airflow • 2 Hot Swappable and • Redundant Power Supplies	• Up to 1456 Gbps Switching Capacity; Wire-Speed on All Ports • ISL Trunking in Hardware • Ports On Demand • Direct-attached Copper and Optical Transceiver Cabling Options • Hot Swappable, Redundant Power and Cooling • Reversible Front-to-Rear Airflow • 2 Hot Swappable and • Redundant Power Supplies
STANDARD BUNDLED SOFTWARE	Enterprise Software Bundle (including Adaptive Networking, Advanced Performance Monitoring, Extended Fabric, Fabric Watch, Server Application Optimization, and Trunking)	Enterprise Software Bundle (including Adaptive Networking, Advanced Performance Monitoring, Fabric Watch, Server Application Optimization, and Trunking)	Brocade Fabric OS® (Bottleneck Detection, Brocade Advanced Zoning, Diagnostic Ports, Dynamic Fabric Provisioning, Dynamic Path Selection, Enhanced BB credit recovery, FSPF, NPIV, In-flight Encryption and Compression, Virtual Fabrics); Enterprise Software Bundle (including Adaptive Networking, Advanced Performance Monitoring, Extended Fabric, Fabric Watch, Server Application Optimization, and Trunking)	Brocade Fabric OS (Bottleneck Detection, Brocade Advanced Zoning, Diagnostic Ports, Dynamic Fabric Provisioning, Dynamic Path Selection, Enhanced BB credit recovery, FSPF, NPIV, In-flight Encryption and Compression, Virtual Fabrics); Enterprise Software Bundle (including Adaptive Networking, Advanced Performance Monitoring, Fabric Watch, Server Application Optimization, and Trunking)	Full Fabric (all models except 310), Web Tools, Advanced Zoning	Full Fabric, Web Tools, Advanced Zoning, Enterprise Bundle (40-port EB SKUs)	Access Gateway mode (default), Full Fabric, Web Tools, Advanced Zoning	Full Fabric, Web Tools, Advanced Zoning, Enterprise Bundle (80-port EB SKUs)	Brocade Fabric OS (Access Gateway, Bottleneck Detection, Brocade Advanced Zoning, Diagnostic Ports, Dynamic Fabric Provisioning, Dynamic Path Selection, Enhanced BB credit recovery, FSPF, NPIV); Enterprise Software Bundle (including Adaptive Networking, Advanced Performance Monitoring, Fabric Watch, Server Application Optimization, and Trunking)	Brocade Fabric OS (Access Gateway, Bottleneck Detection, Brocade Advanced Zoning, Diagnostic Ports, Dynamic Fabric Provisioning, Dynamic Path Selection, Enhanced BB credit recovery, FSPF, NPIV, In-flight Encryption and Compression, Virtual Fabrics); Enterprise Software Bundle (including Adaptive Networking, Advanced Performance Monitoring, Fabric Watch, Server Application Optimization, and Trunking)	Full Fabric, FCoE, Web Tools, Advanced Zoning, Enhanced Group Management	FCIP Fast Write, Open Systems Tape Pipelining, Storage-Optimized TCP, Advanced Software Compression, Enhanced Group Management	Virtual Cluster Switching (VCS™) Technology to Build Ethernet Fabrics Automatic Migration of Port Profiles Full Layer 2 Feature Set VM Aware Network Automation	Virtual Cluster Switching (VCS) Technology to Build Ethernet Fabrics Automatic Migration of Port Profiles Full Layer 2 Feature Set VM Aware Network Automation
OPTIONAL SOFTWARE UPGRADES	FICON CUP (BR-DCXCUP-01) Integrated Routing (BR-DCXIR-01)	Enterprise Bundle (BR-DCX4SEB-01) Extended Fabrics (BR-48KEXF-01) FICON CUP (BR-DCX4SCUP-01) Integrated Routing (BR-DCX4SIR-01)	FICON CUP (BR-DCXCUP-01) Integrated Routing (BR-DCXIR-01) Advanced Extension (BR-DCXAEX-01) Advanced Accelerator for FICON (BR-DCXAFI-01) 10Gb License for Extension or Integrated 10Gb FC (BR-DCX10GE-01) ICL POD Kit (BR-DCXICLPOD-01) Enterprise ICL (BR-DCX8ENTICL-01) Backbone Encryption Performance Upgrade (BR-ENCPRF48-01)	FICON CUP (BR-DCX4SCUP-01), Integrated Routing (BR-DCX4SIR-01), DCX 8510-4 Enterprise Bundle (BR-DCX4SEB-01), Adaptive Networking (BR-DCX4SAN-01), Extended Fabrics (BR-48KEXF-01), Advanced Performance Monitor (BR-48KPRF-01), ISL Trunking (BR-48KTRK-01), Fabric Watch (BR-48KFWH-01), Server Application Optimization (BR-DCX4SSAO-01), Advanced Extension (BR-DCXAEX-01), Advanced Accelerator for FICON (BR-DCXAFI-01), 10Gb License for Extension or Integrated 10Gb FC (BR-DCX10GE-01), ICL POD Kit (BR-DCXICLPOD-01), Enterprise ICL (BR-DCX4ENTICL-01), Backbone Encryption Performance Upgrade (BR-ENCPRF48-01)	Full Fabric Upgrade (BR-SMEDEPT-01) ISL Trunking (BR-SMEDTRK8-01) Extended Fabrics (BR-SMEDEXF-01) Advanced Performance Monitor (BR-SMEDPRF-01) Fabric Watch (BR-SMEDFWH-01) Adaptive Networking (BR-SMEDAN-01) Enhanced Group Management (BR-SMEDEGM-01) Advanced Enterprise Bundle (FW, APM, TRK, EF, AN) (BR-SMEDEB-01)	ISL Trunking (BR-3900TRK-02) Extended Fabrics (BR-3900EXF-02) Advanced Performance Monitor (BR-3900PRF-02) Fabric Watch (BR-3900FWH-02) Adaptive Networking (BR-MIDRAN-01) Integrated Routing (BR-MIDRIR-01) Enhanced Group Management (BR-MIDREGM-01) Advanced Enterprise Bundle (FW, APM, TRK, EF, AN) (BR-MIDREB-01)	ISL Trunking (BR-3900TRK-02) Extended Fabrics (BR-3900EXF-02) Advanced Performance Monitor (BR-3900PRF-02) Fabric Watch (BR-3900FWH-02) Adaptive Networking (BR-MIDRAN-01) Integrated Routing (BR-MIDRIR-01) Enhanced Group Management (BR-MIDREGM-01) Advanced Enterprise Bundle (FW, APM, TRK, EF, AN) (BR-MIDREB-01)	ISL Trunking (BR-MENTTRK-01) Extended Fabrics (BR-MENTEXF-01) Advanced Performance Monitor (BR-MENTPRF-01) Fabric Watch (BR-MENTFWH-01) Adaptive Networking (BR-MENTAN-01) Integrated Routing (BR-MENTIR-01) Enhanced Group Management (BR-MENTEGM-01) Advanced Enterprise Bundle (FW, APM, TRK, EF, AN) (BR-MENTEB-01)	Adaptive Networking (BR-SMEDAN-01) Advanced Performance Monitor (BR-SMEDPRF-01) Extended Fabrics (BR-SMEDEXF-01) Fabric Watch (BR-SMEDFWH-01) ISL Trunking (BR-SMEDTRK8-01) Server Application Optimization (BR-SMEDSAO-01) Enterprise Bundle (BR-SMEDEB-01) includes TRK, APM, FW, EF, AN, SAO)	Adaptive Networking (BR-MIDRAN-01), Advanced Performance Monitor (BR-3900PRF-02), Extended Fabrics (BR-3900EXF-02), Fabric Watch (BR-3900FWH-02), Integrated Routing (BR-MIDRIR-01), ISL Trunking (BR-3900TRK-02), Server Application Optimization (BR-MIDRSAO-01), Integrated 10Gb FC License (BR-MIDR10G-01), Advanced Enterprise Bundle (BR-MIDREB-01 - includes TRK, APM,FW, EF, AN, SAO)	ISL Trunking Advanced Performance Monitor Fabric Watch Advanced Enterprise Bundle (FW, APM, TRK)	7800 4/2 Upgrade (XBR-7800UG-0001), Advanced Extension: FCIP Trunking and Adaptive Rate Limiting (BR-EXTSAEX-01), Advanced Accelerator for FICON (BR-EXTSAFI-01), Optional Fabric OS Features, Enterprise Bundle (BR-EXTSEB-01), ISL Trunking (BR-EXTSTRK-01), Adaptive Networking (BR-EXTSAN-01), Advanced Performance Monitoring (BR-EXTSPRF-01), Fabric Watch (BR-EXTSFWH-01),Extended Fabrics (BR-EXTSEXF-01), Integrated Routing (BR-EXTSIR-01), Server Application Optimization (BR-EXTSSAO-01), FICON CUP (BR-EXTSCUP-01)	Ports On Demand Licenses VCS License FCoE License Ethernet Connectivity to FC SAN Zoning	Ports On Demand Licenses VCS License FCoE License Ethernet Connectivity to FC SAN Zoning
OTHER BASE PRODUCTS	N/A	Port Side Exhaust Kit is Part of Base Chassis	N/A	Port Side Exhaust Kit is Part of Base Chassis	Dynamic Path Selection, NPIV, Access Gateway Mode, EZSwitchSetup Wizard	Dynamic Path Selection, NPIV, Access Gateway Mode, EZSwitchSetup Wizard	Dynamic Path Selection, NPIV, Access Gateway Mode, EZSwitchSetup Wizard	Dynamic Path Selection, NPIV, EZSwitchSetup Wizard	EZSwitchSetup	EZSwitchSetup	Layer 2 Ethernet, Dynamic Path Selection, Security	N/A	Layer 2 Ethernet, Dynamic Path Selection, Security	Layer 2 Ethernet, Dynamic Path Selection, Security
OS SUPPORTED	Fabric OS 6.x	Fabric OS 6.2.x	Fabric OS 7.x	Fabric OS 7.x	Fabric OS 6.1.x/6.2.x	Fabric OS 6.1.x/6.2.x	Fabric OS 6.2.x	Fabric OS 6.1.x/6.2.x	Fabric OS 7.x	Fabric OS 7.x	6.1.2_CEE, 6.3.x	Fabric OS 6.3.x	Network OS 2.x	Network OS 2.x
CUSTOMER PROFILE	• Enormous Data Centers Supporting Worldwide Entities • Building Out Environments for the Next 10–15 Years • Require Equipment that will Scale with their Need for Bandwidth and Evolving Protocols • Need to Leverage Existing Resources and Environments, Avoiding a Rip-and-Replace Approach	• Large and Mid-sized Environments • Multi-tier Fabrics with DCX in the Core • Excellent Core Backbone for Medium Enterprise • Excellent Edge Backbone for Large Enterprise	• Mid/Large Data Centers Containing Directors with 8 Gbps or Less • Consolidation/Reduce Energy Costs • Storage Upgrade • Hyper Growth Virtualization of Tier 2/3 Workloads • Metro Connectivity Over DWDM for FC SAN Extension • New and Emerging Workloads Requiring SAN Storage	• Mid/Large Data Centers Containing Directors with 8 Gbps or Less Bandwidth or Limited Port Density • Consolidation/Reduce Energy Costs • Storage Upgrade • Hyper Growth Virtualization of Tier 2/3 Workloads • Metro Connectivity over DWDM for FC SAN Extension • New and Emerging Workloads Requiring SAN Storage	• SMB SAN • Cost Sensitive • DAS to SAN Migration	• Workgroup • Midsize SAN • High Availability • Projected Growth	• Enterprise Core-to-edge SAN • Large-scale Server Environment • Unique Multi-vendor SANs	• Workgroup • Midsize to Enterprise SAN • High Availability • Consolidation/Virtualization	• Small/Mid Data Centers with Brocade, Cisco, or QLogic switches with 8 Gbps or Less Bandwidth • Customers Looking to Refresh or Consolidate Data Centers, Servers, or Storage to Reclaim Floor/Rack Space or Reduce Energy Consumption • Storage Upgrades Due to End-of-Life/ Support, Lease Expiration, Technology Refresh, or Consolidation • Hyper Growth Virtualization of Tier 2/3 Workloads • New and Emerging Workloads Requiring SAN Storage	• Mid/Large Data Centers Containing Directors with 8 Gbps or Less Bandwidth or Limited Port Density • Consolidation/Reduce Energy Costs • Storage Upgrade • Hyper Growth Virtualization of Tier 2/3 Workloads • Metro Connectivity Over DWDM for FC SAN Extension • New and Emerging Workloads Requiring SAN Storage	• LAN and SAN Connectivity • Midsize to Enterprise Data Centers • Server I/O Consolidation	• Remote Data Replication for BC/DR • Centralized SAN Backup and Archiving • Global Data Migration and Sharing	• LAN and SAN Connectivity • Server I/O Consolidation	• LAN and SAN Connectivity • Server I/O Consolidation
TARGET ENVIRONMENT	• Large Enterprise-Class Data Centers (Global 1000 Companies) • Mainframe Environments	• Designed to Address a Wide Range of Technology Challenges for Large Enterprise Data Centers • Addresses Need for Security and Compliance • Scalable and Supports Heterogeneous Environments	• Large Enterprise-Class Data Centers (Global 1000 Companies) • Enterprise Fabric Core • Mainframe Environments	• Large and Mid-Sized Data Centers • Midsize Enterprise Fabric Core • Large Enterprise Edge or Application Engine • Mainframe Environments	• Entry • Workgroup • Department • Edge	• Department • Workgroup • High Performance Edge	• Enterprise Edge • Virtual Server Environments • 3rd-party Core	• Enterprise Edge • Fabric Core Switch • Mainframe Environments	• Entry-Level SAN • Edge Switch Deployment	• Mid-sized and Small Data Centers • Core or Edge Switch Deployments	• Converged Edge • Server Virtualization • Open Systems Environments	• Data Centers and Remote Offices • Rack-based or Standalone Extension Switch Infrastructure • Direct-attached or Fabric-attached Disk and Tape • Open Systems and Mainframe	• 10 GbE Fixed Port FCoE Switch with VCS Fabric Connectivity • Converge Storage Traffic (FCoE, iSCSI) in the Ethernet Fabric; Multi-Hop FCoE	• 10 GbE Fixed Port FCoE Switch with VCS Fabric Connectivity • Converge Storage Traffic (FCoE, iSCSI) in the Ethernet Fabric; Multi-Hop FCoE • Native FC Ports Bridging VCS Fabric to FC SAN

FC Host Bus Adapters (HBAs)	Brocade 415	Brocade 425	Brocade 815	Brocade 825	Brocade 1010	Brocade 1020	Brocade 1860-1	Brocade 1860-2
PART NUMBERS	BR-415-0010	BR-425-0010	BR-815-0010	BR-815-0010	BR-1010-0010 (Optical), BR-1010-1010 (no media)	BR-1020-0010 (Optical), BR-1020-1010 (no media)	BR-1860-1F00 (16G optics), BR-1860-1P00 (10G optics), BR-1860-1C00 (no media)	BR-1860-2F00 (16G optics), BR-1860-2P00 (10G optics), BR-1860-2C00 (no media)
PROTOCOL	FC	FC	FC	FC	DCB, FCoE, iSCSI	DCB, FCoE, iSCSI	FC, DCB, FCoE, iSCSI	FC, DCB, FCoE, iSCSI
PORTS	1	2	1	2	1	2	1	2
PORT SPEED	4/2/1 Gbps	4/2/1 Gbps	8/4/2 Gbps	8/4/2 Gbps	10 GbE	10 GbE	16/8/4/2 Gbps FC, 10 GbE	16/8/4/2 Gbps FC, 10 GbE
BUS TYPE	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8