

Lenovo ThinkSystem Storage Networks

The Right Network Choice for Highly Virtualized Servers and Flash Storage



Brocade® Gen 6 Fibre Channel Products

LENOVO MODEL	GEN 6 FC SWITCHES		
	LENOVO THINKSYSTEM DB630S	LENOVO THINKSYSTEM DB620S	LENOVO THINKSYSTEM DB610S
BROCADE MODEL	 Brocade G630	 Brocade G620	 Brocade G610
LENOVO PART NUMBERS	7D1S-CT05WW (48x32Gb/s SWL SFPs included) 7D1S-CT06WW (96x32Gb/s SWL SFPs + Ent SW Bundle)	6415-HC6/HC9 (24x16Gb/s SWL SFPs included) 6415-HC4/HC7 (24x32Gb/s SWL SFPs included) 6415-HC5/HC8 (48x32Gb/s SWL SFPs + Ent SW Bundle)	6559-HC4 (24x16Gb/s SWL SFPs + Ent SW Bundle) 1 year warranty models 6559-HC5 (8x16Gb/s SWL SFPs included) 1 year warranty models 6559-HC7 (8x32Gb/s SWL SFPs included) 1 year warranty models 7D8PCTO1WW (8x16Gb/s SWL SFPs included) Lifetime Warranty 7D8PCTO2WW (24x16Gb/s SWL SFPs + Ent SW Bundle) Lifetime Warranty 7D8PCTO3WW (8x32Gb/s SWL SFPs included) Lifetime Warranty 7D8PCTO4WW (24x32Gb/s SWL SFPs + Ent SW Bundle) Lifetime Warranty
PORTS	Entry: 48 ports standard, 72/96 available, up to 128 with QSFP+ Enterprise Bundle: 96 standard, up to 128 with use of QSFP+	Entry: 24 ports standard. 36 or 48 available, up to 64 with QSFP+ Enterprise Bundle: 48 standard, up to 64 with use of QSFP+	Entry: 8 ports default with 16 or 24 available Enterprise Bundle: 24 standard
SPEED & PROTOCOL	4/8/10/16/32Gb/s FC	4/8/10/16/32Gb/s FC	4/8/16/32Gb/s FC
EXPANDABILITY (PORTS ON DEMAND)	<ul style="list-style-type: none"> • 24-port SFP+ licenses with 24x32Gb/s SWL (4M27A37147) • 24-port SFP+ licenses with no transceivers (750C0016WW) • 8-port QSFP+ licenses with 4x128Gb/s SWL (4M27A37148) • 8-port QSFP+ licenses with no transceivers (750C0017WW) 	<ul style="list-style-type: none"> • 12-port SFP+ licenses with 12x16Gb/s SWL (4M27A36844) • 12-port SFP+ licenses with 12x32Gb/s SWL (01KN760) • 12-port SFP+ licenses with no transceivers (750C000EWW) • 4-port QSFP+ licenses with 4x128Gb/s SWL V2 (4M27A08819) • 4-port QSFP+ licenses with no transceivers (750C000FWW) 	<ul style="list-style-type: none"> • 8-port license with 8x16Gb/s SWL SFPs (01KP846) • 8-port license with 8x32Gb/s SWL SFPs (4M27A64094) • 8-port SFP+ licenses with no SFPs (01KP845)
BROCADE OPTICS / TRANSCEIVERS	<ul style="list-style-type: none"> • 16Gb SWL SFP+; 10KM LWL SFP+; 25Km ELW SFP+ • 32Gb SWL SFP+; LWL SFP+; 25Km ELW SFP+ • 128Gb (4x32Gb/s) SWL QSFP+ • 4x16Gb SWL QSFP+ • 4x16Gb 2KM SWL QSFP+ • 10Gb FC SWL SFP+; LWL SFP+ 	<ul style="list-style-type: none"> • 16Gb SWL SFP+; 10KM LWL SFP+; 25Km ELW SFP+ • 32Gb SWL SFP+; LWL SFP+; 25Km ELW SFP+ • 128Gb (4x32Gb/s) SWL QSFP+ • 4x16Gb SWL QSFP+ • 4x16Gb 2KM SWL QSFP+ • 10Gb FC SWL SFP+; LWL SFP+ 	<ul style="list-style-type: none"> • 16Gb SWL SFP+; 10KM LWL SFP+; 25Km ELW SFP+ • 32Gb SWL SFP+; LWL SFP+; 25Km ELW SFP+
AIRFLOW	Non-port-side intake to port-side exhaust	Non-port-side intake to port-side exhaust	Non-port-side intake to port-side exhaust
POWER & COOLING	2 hot-swap, integrated power supplies and 3 hot-swap fan units standard	2 hot-swap, integrated power-supply/fan units standard	4 integrated fan units and 1 integrated power supply
HEIGHT	2 RU	1 RU	1 RU
RACK MOUNT KITS	<ul style="list-style-type: none"> • Fixed rack kit included • Mid-mount rack kit optional (01KN770) 	<ul style="list-style-type: none"> • Fixed rack kit included • Mid-mount rack kit optional (01KN770) 	<ul style="list-style-type: none"> • Fixed rack kit included • Mid-mount rack kit optional (01KP847)
ENTERPRISE BUNDLE	Optional (750C0019WW, standard on 3WW model) includes: Extended Fabric, ISL Trunking, Fabric Vision	Optional (750C000GWW, standard on HC2 model) includes: Extended Fabric, ISL Trunking, Fabric Vision	Optional (750C000CWW standard on HC1/HC4 model) includes: Extended Fabric, ISL Trunking; Fabric Vision
OPTIONAL LICENSED FEATURES	<ul style="list-style-type: none"> • Integrated Routing (750C0018WW) – Optional Support Ext. 	<ul style="list-style-type: none"> • Mainframe Bundle: Above + CUP (750C000JWW) – Optional Support Ext. • Integrated Routing (750C000HWW) – Optional Support Ext. 	N/A
WARRANTY	1 year Hardware and software entitlement – Recommend upgrading to 3 or 5 years		1 year Hardware and software entitlement models Or Lifetime Warranty Models

Brocade SANnav™ Management Portal and SANnav Global View

DESCRIPTION: Empower IT administrators to be more efficient and productive by providing comprehensive visibility into the SAN environment. SANnav Management Portal and SANnav Global View 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, these tools accelerate administrative tasks by simplifying workflows and automating redundant steps, making it easier for organizations to realize their goal of an autonomous SAN.

LENOVO PART NUMBERS	Brocade SANnav Management Portal: Base Edition (600 ports – switches only)—Part Numbers: 750C0010WW (1 Year), 750C0013WW (3 Year) or 750C001KWW (5 Year) Brocade SANnav Management Portal: Enterprise Edition (15,000 ports)—Part Numbers: 750C0011WW (1 Year), 750C0014WW (3 Year) or 750C001LWW (5 Year) Brocade SANnav Global View: Up to 6 SANnav Management Portal instances—Part Numbers: 750C0012WW (1 Year), 750C0015WW (3 Year) or 750C001JWW (5 Year)
----------------------------	---

Lenovo ThinkSystem Gen 7 Switches and Emulex HBAs

High Performance, Highly Reliable



Brocade Gen 7 Fibre Channel Products

LENOVO MODEL	GEN 7 FC SWITCHES
	LENOVO THINKSYSTEM DB720S
BROCADE MODEL	Brocade G720 
LENOVO PART NUMBERS	7D5JCTO1WW (24x32Gb/s SWL SFPs Port side Exhaust) 7D5JCTO2WW (24x64Gb/s SWL SFPs Port side Exhaust) 7D5JCTO3WW (24x32Gb/s SWL SFPs Port side Intake) 7D5JCTO4WW (24x64Gb/s SWL SFPs Port side Intake)
PORTS	Entry: 24 ports standard; scale to 32, 40, 48, or 56 ports
SPEED & PROTOCOL	8/10/16/32/64Gb/s FC
EXPANDABILITY (PORTS ON DEMAND)	<ul style="list-style-type: none"> 8-Port License with 32-Gb SWL SFPs (PN 4M27A65819) 8-Port License with 64-Gb SWL SFPs (PN 4M27A65820)
BROCADE SECURE OPTICS / TRANSCEIVERS	<ul style="list-style-type: none"> 10Gb FC SWL SFP+ (4M27A65420) 10Gb FC LWL SFP+ (4M27A65421) 32Gb SWL SFP+ (4M27A65416 1-pack / 4M27A65417 8-pack) 32Gb 10KM LWL SFP+ (4M27A65418 1-pack / 4M27A65419 8-pack) 32Gb 25KM ELW SFP+ (4M27A65424) 64Gb SWL SFP+ (4M27A65425 1-pack / 4M27A65426 8-pack)
AIRFLOW	Non-port-side intake to port-side exhaust Port-side air intake and non-port-side exhaust
POWER & COOLING	2 hot-swap, integrated power-supply/fan units standard
HEIGHT	1 RU
RACK MOUNT KITS	<ul style="list-style-type: none"> Universal 4-post rack kit included Mid-mount rack kit optional (01KN770)
ENTERPRISE BUNDLE	Extended Fabric, ISL Trunking, Fabric Vision (included standard)
WARRANTY	3 year Hardware and software entitlement

 Sales Questions: lenovo-sales.pdl@broadcom.com

BROCADE SAN HEALTH®

Allows you to create comprehensive documentation, performance graphs, and detailed topology diagrams and highlights potential problems or concerns (performance, end of service life, etc.). Supports any Brocade or Cisco MDS SAN switch. Extremely easy to set up and run, giving you a comprehensive view of your SAN storage environment from hosts, OSs, HBAs, switches, and storage devices attached to the fabric.

A free utility is available. ([Download](#))

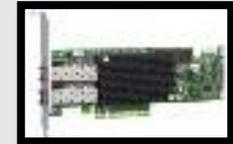
Emulex® HBA Portfolio for Lenovo ThinkSystem

Emulex Gen 7 Adapters

- Reliable and secure networking
- Faster for flash applications
- Better for virtualization



LENOVO MODELS	EMULEX GEN 7
LENOVO PART NUMBERS	4XC7A77485 (2-port) 64Gb 4XC7A08250 / 4XC7A76498 (1-port) 32Gb 4XC7A08251 / 4XC7A76525 (2-port) 32Gb
BUS	PCIe 4.0
MAX IOPS	5M
ENHANCED FEATURES	Port Aggregation, FEC, ExpressLane™, ClearLink®



Emulex Gen 6 Adapters

- Lowest price point
- Reliable and secure networking
- Exceptional performance



LENOVO MODELS	EMULEX 16GFC (GEN 6)
LENOVO PART NUMBERS	01CV830 (1-port), 01CV840 (2-port)
BUS	PCIe 3.0
MAX IOPS	1.6M
FORWARD ERROR CORRECTION	Yes
EXPRESSLANE	Yes
CLEARLINK	Yes