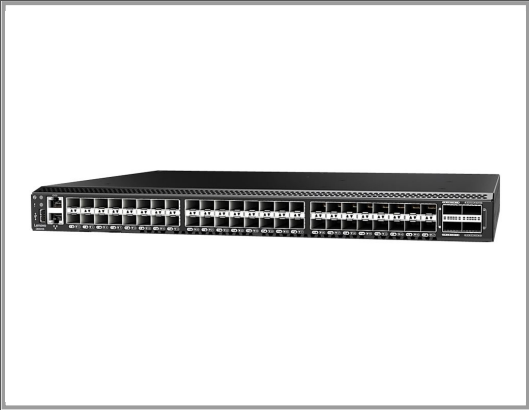# Lenovo ThinkSystem DB620S - Switch

Managed - 24 x 32Gb Fibre Channel SFP+ - desktop - rack-mountable

Group	Network Equipment
Manufacturer	Lenovo
Manufacturer item no.	6415H11
EAN/UPC	0889488473298

Description

The Lenovo ThinkSystem DB620S FC SAN Switch provides exceptional price/performance value by delivering market-leading 32 Gb Gen 6 Fibre Channel technology and combining flexibility, simplicity, and enterprise-class functionality that supports highly virtualized environments to meet the demands of hyper-scale, private cloud storage, and growing flash-based storage environments.

Designed to enable maximum flexibility and reliability, the ThinkSystem DB620S is a compact, 1U rack-mount FC switch that offers low-cost access to industry-leading Storage Area Network (SAN) technology while providing "pay-as-you-grow" scalability to meet the needs of an evolving storage environment.

The DB620S FC SAN Switch offers 48x SFP+ ports that support 4/8/10/16/32 Gbps speeds and 4x QSFP+ ports that supports 128 Gbps (4x 32 Gbps) or 4x 4/8/16 Gbps speeds. The DB620S FC SAN switch provides easy integration into the existing SAN environments while realizing the benefits of Gen 6 Fiber Channel connectivity, and the switch offers a rich set of standard software features with the options to expand its capabilities as needed.

The DB620S FC SAN Switch features the EZSwitch Setup wizard and can be configured in Access Gateway Mode to simplify deployment. The switch provides full non-blocking performance with Ports On Demand scalability to support SAN expansion and enable long-term investment protection.

Main features

Product Description	Lenovo ThinkSystem DB620S - switch - 24 ports - Managed - rack-mountable
Device Type	Switch - 24 ports - Managed
Enclosure Type	Rack-mountable 1U
Subtype	Fibre Channel
Ports	24 x 32Gb Fibre Channel SFP+
Performance	Aggregate throughput: 2 Tbps ¦ Switching latency: 0.9 µs
Capacity	Maximum frame size: 2112 byte ¦ Frame buffers: 15360
Remote Management Protocol	SNMP 1, SNMP 3, HTTP, HTTPS, SMI-S, SSH, SSH-2, CLI, SCP, SFTP
Features	Syslog support, IPv6 support, IP address filtering, firmware upgradable, Full Fabric, event log, Access Control List (ACL) support, Quality of Service (QoS), enviromental monitoring, Forward Error Correction (FEC), Registered State Change Notification (RSCN) support, Adaptive Networking, Fabric Shortest Path First (FSPF), Fabric-Device Management Interface (FDMI), Virtual Fabric mode, Role-Based Access Control (RBAC), Dynamic path selection (DPS), Dynamic load sharing (DLS), Reliable Commit Service (RCS), Simple Name Server (SNS), Fibre Channel Authentication Protocol (FCAP), Power-on self-test (POST), Network Timing Protocol (NTP), flow mirroring, Dynamic Fabric Provisioning (DFP), traffic isolation zoning (TIZ), Rolling Reboot Detection (RRD), Advanced Zoning, In-flight Compression, Fabric Services
Power	AC 120/230 V (50/60 Hz)
Power Redundancy	Yes

Weight	7.7 kg

Extended details

	General
Device Type	Switch - 24 ports - Managed
Enclosure Type	Desktop, rack-mountable 1U
Subtype	Fibre Channel
Ports	24 x 32Gb Fibre Channel SFP+
Performance	Aggregate throughput: 2 Tbps ¦ Switching latency: 0.9 µs
Capacity	Maximum frame size: 2112 byte ¦ Frame buffers: 15360
Fibre Channel	FC-DA, FC-FS, FC-GS-4, FC-SB, FC-SB-2, FC-SB-3, FC-SW-3, FC-Tape, FC-VI, FC-SP, FCP-4, FC-BB-2, FCP, FCP-2, FC-BB-5, FC-BB-3, FC-FS-2, FC-GS-5, FC-SW-4, FCP-3, FC-LS, FC-MI-2, FC-PI-4, FC-FS-3, FC-GS-6, FC-PI-3, FC-SW-5, FC-BB-4, FC-IFR, FC-PI-5, FC-LS-2, FC-SP-2, FC-SB-4, FC-DA-2, FC-MI-3, FC-BB-6, FC-SB-5, FC-FS-4, FC-SW-6, FC-GS-7, FC-PI-6, FC-GS-8, FC-LS-3, FC-SB-6, FC-SW-7, MIB-FA
Remote Management Protocol	SNMP 1, SNMP 3, HTTP, HTTPS, SMI-S, SSH, SSH-2, CLI, SCP, SFTP
Encryption Algorithm	SSL
Authentication Method	RADIUS, TACACS+, LDAP, FCAP
Features	Syslog support, IPv6 support, IP address filtering, firmware upgradable, Full Fabric, event log, Access Control List (ACL) support, Quality of Service (QoS), enviromental monitoring, Forward Error Correction (FEC), Registered State Change Notification (RSCN) support, Adaptive Networking, Fabric Shortest Path First (FSPF), Fabric-Device Management Interface (FDMI), Virtual Fabric mode, Role-Based Access Control (RBAC), Dynamic path selection (DPS), Dynamic load sharing (DLS), Reliable Commit Service (RCS), Simple Name Server (SNS), Fibre Channel Authentication Protocol (FCAP), Power-on self-test (POST), Network Timing Protocol (NTP), flow mirroring, Dynamic Fabric Provisioning (DFP), traffic isolation zoning (TIZ), Rolling Reboot Detection (RRD), Advanced Zoning, In-flight Compression, Fabric Services
	Expansion / Connectivity
Interfaces	24 x 4/8/10/16/32Gb Fibre Channel SFP+ ¦ 1 x management (Gigabit LAN) RJ-45 ¦ 1 x management (RS-232) RJ-45 ¦ 1 x USB ¦ 24 x 4/8/10/16/32Gb Fibre Channel SFP+ Ports on Demand ¦ 4 x 16/32Gb Fibre Channel QSFP+ Ports on Demand
	Power
Power Device	Internal power supply - hot-plug
Installed Qty	2
Max Supported Qty	2
Power Redundancy	Yes
Power Redundancy Scheme	1+1
Power Provided	250 Watt
Voltage Required	AC 120/230 V (50/60 Hz)
Features	Rear-to-front airflow
	Miscellaneous
Included Accessories	24 x 32Gb Fibre Channel SFP+ Short Wave Transceiver
Cables Included	1 x DB-9 to RJ-45 adapter

Compliant Standards	EN 60950, EN 61000-3-2, IEC 60950, EN 61000-3-3, EN55024, EN 61000-6-1, FIPS 140-2 Level 2, ICES-003 Class A, RoHS, FCC Part 15 B Class A, VCCI Class A, EN 55022 Class A, UL/CSA60950-1, AS/NZS 55022 Class A, INCITS 364-2003 + Amendment 1
Dimensions & Weight	
Width	44 cm
Depth	35.6 cm
Height	4.4 cm
Weight	7.7 kg
Manufacturer Warranty	
Service & Support	Limited warranty - replacement - 1 year - response time: next business day ¦ New releases update - 1 year ¦ Technical support - 1 year
Environmental Parameters	
Min Operating Temperature	0 °C
Max Operating Temperature	40 °C
Humidity Range Operating	10 - 85% (non-condensing)
Min Storage Temperature	-25 °C
Max Storage Temperature	70 °C
Humidity Range Storage	10 - 90% (non-condensing)

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