Lenovo B6505 and B6510 Fibre Channel Switches

For mission-critical storage networks

Features and Performance

The Lenovo B6505 and B6510 Fibre Channel Switches with Gen 5 Fibre Channel (FC) technology are purpose-built for the high-performance storage connectivity required for business critical applications. The B6505 and B6510 switches operate at 16Gbps, 8Gbps and 4Gbps link speeds while providing optimized, automated and integrated SAN capabilities. Redundant, hot-swappable, integrated power supply/fan units are included in the B6510 and optional in the B6505. The B6505 and B6510 switches support Flash and hybrid storage arrays at full 16Gbps speeds.

Choose Your Switch

The B6505 switch is available in two 12-port configurations, which include either 8Gbps or 16Gbps optics with the base switch. The B6505 is the SAN switch for small and midrange data centers.

The B6510 switch is available in two 24-port configurations, which include either 8Gbps or 16Gbps optics with the base switch. The B6510 is the SAN switch for midrange and enterprise data centers.

Simple Scalability

The B6505 and B6510 switches allow 'pay-as-you-grow' scalability by providing 12-port license upgrades which include 8Gbps or 16Gbps optics. The B6505 switch can scale to 24 ports, the B6510 to 48 ports. Advanced reliability and performance features such as Forward Error Correction and Buffer Credit Loss Recovery come standard. Optional Fabric Vision and trunking features are available as software upgrades. 16Gbps connections save cost and complexity vs. 8Gbps alternatives by reducing the number of ports, SFPs and cables required in many configurations. Both switches can also be deployed as an Access Gateway allowing servers to connect to NPIV-enabled SAN fabrics for easy interoperability with multiple vendors' FC storage arrays or in Full Fabric mode for connecting to an existing Brocade SAN.

Simplified Management

Fabric Vision technology, an extension of Gen 5 Fibre Channel, provides a breakthrough hardware and software solution that helps simplify monitoring, maximize network availability and dramatically reduce costs. This optional software feature enables administrators to avoid problems before they impact operations, helping organizations meet service level agreements. One of the diagnostic features, ClearLink, can quickly identify and isolate 16Gbps optics, port and cable problems, reducing fabric deployment and diagnostic times.

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Specifications

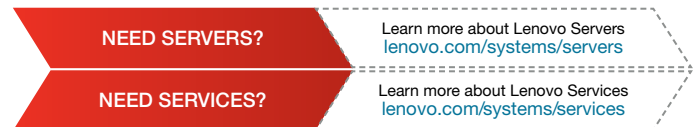|	Lenovo B6505	Lenovo B6510
Part Numbers	3873AR4- 12 ports populated with 8Gbps SW FC transceivers 3873AR5- 12 ports populated with 16Gbps SW FC transceivers	3873BR2- 24 ports populated with 8Gbps SW FC transceivers 3873BR3- 24 ports populated with 16Gbps SW FC transceivers
Redundant, Hot-Swappable, Integrated Power Supply/Fan Units	Optional	Standard
FC Port Scalability (upgrades)	12-port 8Gbps activation license with SW SSFPs (00WF812) 12-port 16Gbps activation license with SFPs (00WF810)	12-port 8Gbps activation license with SW SFPs (00WF808) 12-port 16Gbps activation license with SW SFPs (00WF806)
Maximum FC Ports	24 total physical ports	48 total physical ports
FC Speed Support	External ports: 16/8/4/2Gbps; auto-sensing	External ports: 16/8/4/2Gbps; auto-sensing
Optional Software	Inter-switch Link (ISL) Trunking, Fabric Vision, Extended Fabric, Enterprise Bundle	Inter-switch Link (ISL) Trunking, Fabric Vision, Integrated Routing, Extended Fabric, Enterprise Bundle, Integrated 10Gb FC
Optional Transceivers	8Gbps LW or ELW 16Gbps LW or ELW	8Gbps LW or ELW 16Gbps LW or ELW
Rack Mount Kit included	4-post rail kit	4-post rail kit
Warranty	1 year hardware and 3 year software (upgrades available)	1 year hardware and 3 year software (upgrades available)

Associated Options: For details on transceivers, cables, other associated options and technical details, refer to the Lenovo B6505/B6510 Product Guide

Why Lenovo

Lenovo is the leading provider of x86 systems for the data center. The portfolio includes rack, tower, blade, dense and converged systems, and supports enterprise class performance, reliability and security. Lenovo also offers a full range of networking, storage, software and solutions, and comprehensive services supporting business needs throughout the IT lifecycle.

For More Information

To learn more about the B6505 or B6510 Fibre Channel Switches, contact your Lenovo representative or Business Partner or visit **lenovo.com**/systems/storage

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