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 an entry Gen 5 switch which is ideal for small and midrange data centers. The base switch starts off with 12-ports active and includes twelve 16Gbps SWL transceivers, plus a single power supply with an optional second power supply for redundancy.

The B6510 switch is a midrange Gen 5 switch which is ideal for midrange to enterprise data centers. The base switch starts off with 24-ports active and includes twenty four 16Gbps SWL transceivers, plus comes with redundant power supplies standard for high availability and reliability.

Simple Scalability

The B6505 and B6510 switches allow 'pay-as-you-grow' scalability by providing 12-port license upgrades that include 16Gbps optics. The B6505 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. 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.

Specifications

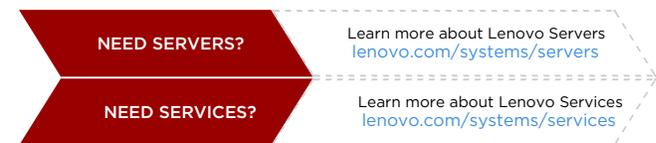|	Lenovo B6505	Lenovo B6510
Part Numbers	12 ports populated with 16Gbps SW FC transceivers	24 ports populated with 16Gbps SW FC transceivers
Redundant, Hot-Swappable, Integrated Power Supply/Fan Units	Optional	Standard
FC Port Scalability (upgrades)	12-port 16Gbps activation license with SFPs (00WF810)	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	8Gbps SW, LW or ELW 16Gbps LW or ELW	8Gbps SW, LW or ELW 16Gbps LW or ELW
Rack Mount Kit included	4-post rail kit	4-post rail kit

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

Why Lenovo

Lenovo (HKSE: 992) (ADR: LNVGY) is a US$45 billion Fortune 500 company and a global technology leader in driving Intelligent Transformation. Lenovo's data center solutions (ThinkSystem, ThinkAgile) are creating the capacity and computing power that are changing business and society.

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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