

# LENOVO FLEX SYSTEM ENTERPRISE CHASSIS



## FLEXIBILITY, EFFICIENCY

To meet today's complex and ever-changing business demands, the Lenovo® Flex System Enterprise Chassis provides a high performance, integrated infrastructure platform that supports a mix of compute and networking capabilities. The Flex System Enterprise Chassis has been designed and built specifically to provide the efficiency you need now, along with the growth path necessary to protect your investment into the future.

The Flex System Enterprise Chassis is the foundation of the Flex System offering, which features 14 standard (half-width) Flex System form factor compute node bays in a 10U chassis that delivers high performance connectivity for your integrated compute, networking and management resources.

## CUSTOMISABLE

The physical design of the Flex System Enterprise Chassis includes 14-bays that allow installation of compute or management nodes with up to four networking modules located in the rear. A single chassis or a group of chassis can be fully customised to the specific needs of the computing environment. With support for Intel® processor-based nodes in standard or double-width form factors, you can choose the custom

architecture you need for your business. This means your IT can meet business needs using a single platform across multiple architectures and operating environments.

## HIGH RELIABILITY

The power management design of the chassis monitors and controls power usage on all major chassis components. The chassis supports N+N or N+1 redundant power supplies, a single, three-phase power domain and an entirely passive mid-plane to meet your reliability needs. The 2500 W power supplies are 80 PLUS Platinum certified to deliver high energy efficiency. To determine which power supply best meets the clients' needs, review the power support matrix.<sup>1</sup>

Its environmental design optimises cooling using internal chassis cooling zones. The system then manages the fans independently based on node configuration within the chassis. This allows the system to increase the speed of certain fans to cool potential hotspots while using lower speeds for other fans where appropriate. The result is component longevity and reduced cooling costs.

## EASILY SCALABLE

From inception, the Flex System Enterprise Chassis has been designed to scale with your business needs. This protects your investment by helping prevent the rip-and-replace cycle that has been commonly associated with meeting increased enterprise computing needs.

Providing additional compute or networking capacity is as simple as adding additional nodes, modules, or even additional chassis. With the modular power-supply design and two available power supply capacities, you can install the system you need now and realise immediate cost savings while retaining the ability to easily upgrade to more power when your system demands warrant it.


## SYSTEMS MANAGEMENT

In addition, managing these chassis could not be easier. Whether you have one chassis or several chassis deployed to meet your organisational needs, Lenovo XClarity provides automated discovery, monitoring, firmware updates, configuration management and bare metal deployment of operating systems (OS) and hypervisors across multiple systems.



## DESIGNED FOR FUTURE

The Flex System Enterprise Chassis is designed to be the foundation of your IT infrastructure now and into the future. Compute performance requirements are always on the rise. Networking demands continue to grow with rising bandwidth needs and shrinking latency tolerance.



The Flex System Enterprise Chassis is designed to scale to meet the needs of your future workloads. It has the ability to support your immediate compute, storage and networking needs while providing component upgrade paths for each of them. With an upgradable power supply providing the energy, the entire system is designed to meet your immediate needs as well as allowing for future growth without the rip-and-replace requirements traditionally associated with infrastructure capacity improvements.



## WHY LENOVO

Lenovo one of the leading providers of x86 systems for the data centre (DC). 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.

## SPECIFICATIONS

The Flex System Enterprise Chassis is an upgradeable solution that allows you to customise with any mix of networking and computing power. A choice of 2500 W power supplies is available to allow clients to manage and meet their efficiency requirements. For enterprise clients deploying a variety of workloads in their DC, the 2500 W power supplies provide maximum flexibility and efficiency within the hardware infrastructure. The solution can manage your current needs, grow as your business demands drive your IT needs and multiple chassis can be monitored from a single screen.

<b>NODE BAYS</b>	14 (7 double-wide)
<b>HEIGHT (MM) X WIDTH (MM) X DEPTH (MM)</b>	440 x 447 x 847
<b>SHIP LOADABLE</b>	Yes
<b>AVAILABLE POWER SUPPLIES (2/6)</b>	2500 W 200 - 240 V AC power supply
	2500 W 380 V High Voltage Direct Current (HVDC) power supply
	2500 W -48 V DC power supply

<sup>1</sup> For more information go to <http://www.redbooks.ibm.com/abstracts/tips0863.html?Open>

## FOR MORE INFORMATION

To learn more about the Flex System Enterprise Chassis, visit [lenovo.com/servers](http://lenovo.com/servers) or contact your Lenovo representative or Business Partner (BP).

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