

IBM EXP400 External SCSI Storage Enclosure



IBM EXP400

Highlights

- **14 HDD Ultra 320 SCSI bays provide up to 2TB of externally storage**
- **Rack compatible 3U form factor**
- **Redundant power and cooling systems support improved uptime**
- **Twin tailing option supports split bus and clusters**
- **One Enclosure Service Module standard, second ESM optional**

The IBM® EXP400™ Storage Enclosure provides an end to end external storage solution for enterprise-level, business-critical applications that require superior data storage scalability, data security and access.

2TB of Ultra320 storage

Built with the latest SCSI technology, the EXP400 supports peak data transfer rates up to 100% faster than Ultra160 SCSI and up to 200% faster than Ultra2 SCSI. The enclosure holds up to 14 hot-swap, Ultra320 SCSI drives, which means you can expand your current server storage up to two terabytes beyond its physical limitations.

Higher availability and clustering

An optional second Enclosure Services Module (ESM) enables the EXP400 to support advanced twin tailing and split bus features. A second optional ESM enables the EXP400 to share data with two servers. This means multiple servers can access and share the same data—providing improved value, system availability, flexibility and growth.

The high-function, high-density storage EXP400 unit can be deployed in a rack or tower. Customer servicing is simple, because most replaceable items and components are easily accessible from either the front or the back. The EXP400 provides a comprehensive U320 solution—supporting your entire system including Raid control, storage capacity and enclosure.

Features and Benefits:

- Fully redundant 3U unit includes hot-swap, redundant power supplies with integrated fans, and drive bays—for improved uptime.
- Supports high-speed Ultra320 SCSI hard disk drives for up to 320MBps data transfers. 14 hot-swap slim-high bays—provide up to 2TB expanded storage capacity.
- ServeRAID-6 controllers supports Predictive Failure Analysis (PFA) on hard disk drives—for enhanced performance and fault tolerance.
- Built-in LED indicators—provide proactive warnings of faults, out-of-spec environment conditions, and other anomalies.
- Accommodating single or dual SCSI bus configurations, dual hot-swap 500W redundant power supplies with integrated fan assemblies—helping enable maximum uptime.
- Compact 3U form factor—means the EXP400 is tower capable with the optional rack-to-tower conversion Kit.

Get it now

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Technical specifications

Model	IBM EXP400 Storage Expansion Enclosure
Part number	17331RU, 17331RX, 17332RX (DC power version)
Capacity	
Enclosure Services Module (ESM)	1 standard, 1 optional
BUS	Supports twin tail or split
HDD bays	14 hot-swap, slim-high, Ultra320 SCSI
Physical disk storage capacity¹	2 TB
Architecture	
Form factor	3U
Depth metric	519 mm
Height metric	127.5 mm
Width metric	444 mm
Weight metric²	34.5 Kg
Operating environment	
Maximum operating humidity	80%
Minimum operating humidity	8%
Maximum operating temperature	35 C
Minimum operating temperature	10 C
Limited warranty³	3-year limited warranty

Need more information?

World Wide Web	
IBM xSeries RAID Options	http://www.pc.ibm.com/ww/eserver/xseries/scsi_raid.html
IBM xSeries Ethernet Options	www.pc.ibm.com/us/accessories/comms.html#goethernet
IBM @server xSeries	ibm.com/eserver/xseries
Buy Direct	
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¹MB, GB, and TB = 1,000,000, 1,000,000,000 and 1,000,000,000,000 bytes, respectively, when referring to storage capacity. Accessible capacity is less; up to 3GB is used in service partition. Actual storage capacity will vary based upon many factors and may be less than stated. Some numbers given for storage capacities give capacity in native mode followed by capacity using data compression technology.

Maximum internal hard disk and memory capacities may require the replacement of any standard hard drives and/or memory and the population of all hard disk bays and memory slots with the largest currently supported drives available. When referring to variable speed CD-ROMs, CD-Rs, CD-RWs and DVDs, actual playback speed will vary and is often less than the maximum possible.

²Weight may vary due to vendor components, manufacturing process and options.

³Visit www.ibm.com/pc/safecomputing periodically for the latest information on safe and effective computing. For a copy of the IBM Statement of Limited Warranty, call 1 800 426-7378. Telephone support may be subject to additional charges. For onsite labor, IBM will attempt to diagnose and resolve the problem remotely before sending a technician.

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