Advanced function, high availability enterprise storage solutions

IBM

IBM Netfinity EXP15 Storage Expansion Unit

Highlights

Scalability and power
With ten half-high or slim-high hot-plug drive bays—including support of high performance 9.1GB[1] and 18.2GB 10,000rpm hard disk options—this scalable rack storage enclosure packs up to 182GB of storage capacity per EXP15. And a choice of 12, 4 and 2 meter cables expands storage location flexibility (adapter required).

Availability, reliability and manageability
System availability and clustering applications are enhanced with 10 hot-plug hard file bays and built-in cable termination. Get failover recovery capability with Microsoft NT Wolfpack certified cluster solution or IBM High Availability solution. Perform maintenance and upgrades without interruption to your vital business services through SAF-TE (SCSI Accessed Fault-Tolerant Enclosures), Predictive Failure Analysis and Netfinity Manager software (included at no extra charge with your Netfinity server).

Service and support
IBM stands behind every EXP15 Storage Expansion Unit with a three-year limited on-site parts and labor warranty[2] and 90-day IBM Start Up Support that comes with your Netfinity server.

The IBM Netfinity EXP15 is designed for enterprise-level, business-critical applications that call for superior data storage scalability, data security and access. New LVD (Low Voltage Differential) to single-ended SCSI technology supports longer cable lengths than ever before—delivering flexibility and extra security by physically separating servers and rack-mounted data.

High capacity and high availability
Confidently fill all 10 SCA-2, direct-dock hot-plug drive bays with your choice of both new or older half-high and slim-high disk drives.[3] Each Netfinity EXP15 expansion storage unit can support up to 182GB

of high-speed Ultra SCSI data storage when attached to a supported SCSI adapter or Netfinity controller. Its compact 3U design lets you house up to 14 Netfinity EXP15 units in a single 42U rack cabinet—yielding disk storage of up to 2548GB. All Netfinity EXP15 drives feature Predictive Failure Analysis (PFA). When used in conjunction with IBM Netfinity Manager, SAF-TE/PFA can alert of impending disk drive failure up to 24 hours before it occurs. Hot-plug technology lets you replace the failing disk drive easily and (if it's an Options by IBM HDD (Hard Disk Drive)) the failing drive is also fully covered by your Netfinity three-year parts and labor warranty.

Options by IBM

The Netfinity EXP15 also features dual hot-plug 350W power supplies for redundant power and quick swap-out should service be required. Dual hot-plug cooling units, each with two fans, provide cooling redundancy. If a failure does occur, LED diagnostic lights will indicate the fault and its location.

The Netfinity EXP15 contains an electronics board that interfaces between the external SCSI cables and hot-swap backplane splitting the backplane into two SCSI buses. This improved bus isolation enables a single Netfinity EXP15 to support two servers sharing the same SCSI channel or two servers configured to use both SCSI buses independently. Clustering provides excellent fault tolerance and high availability; even if one server goes off-line, the remaining server takes over using the common data storage of the EXP15.

Full-height RACK

Ease-of-use and installation

With three cable length options, the Netfinity EXP15 is designed for installation into an industry-standard 19-inch rack cabinet. The EXP15 with a two-meter cable fits nicely in the Netfinity NetBAY3 storage platform to provide convenient solutions for customers with Netfinity 5500 or 7000 tower servers. The four-meter cable is good for use within the Netfinity Rack or Netfinity NetBAY22 half-height rack. Use 12-meter cables between separate server and data storage racks (adapter required).

The hot-plug drive bays are conveniently located and can accept various IBM Netfinity disk drives ranging from 4.51GB to 18.2GB with performance levels from 7200rpm to 10,000rpm. Drive options are pre-mounted onto hot-plug trays to simplify quick installation. For easy maintenance, LEDs indicate SCSI drive activity, fault conditions or drive status. Hot-plug power supplies and cooling fan units are easily accessible and have camming levers to aid in removal.

IBM: At your service

IBM's three-year, on-site limited warranty on Netfinity servers extends to cover certain installed options, such as the IBM Netfinity EXP15 and IBM hard disk drives—saving you time if maintenance is ever required.

The best in the business, working together

IBM develops open and integrated business systems that give you complete flexibility in choosing the solutions you want, as well as protection for your investment. We're working together with other industry leaders including Microsoft, Intel, Lotus, Oracle, Novell, SCO, J.D. Edwards and Baan to incorporate in our products the leading edge technologies needed to drive your business forward.

NetBAY22

The case for IBM

So, why IBM? What other company has the depth of experience and the track record to produce solutions for your business with first-rate hardware and software products, a dazzling list of options and world-class service and support? IBM…It's just better business.