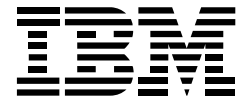


The space-efficient way to expand your networked systems



IBM Netfinity Rack Solutions

Highlights

Storage flexibility

Look to IBM for expandable space management solutions. Choose from several different racks and enclosures to store IBM's full line of rack-ready products, such as servers, storage and tape units, power distributors, networking hardware and consoles.

Security and efficiency

Netfinity® racks neatly manage your cluster, consolidation or server farm, letting you protect expensive assets and optimize environmental conditions while making the best use of valuable floor space.

Scalability plus convenience

Netfinity rack solutions are modular, letting you easily expand. Stack up to three NetBAY3™ enclosures under select Netfinity tower servers. Or integrate up to eight Netfinity Racks or Netfinity Enterprise Racks into a single unit. Add storage depth to the NetBAY22 and Netfinity Rack with optional extensions.

Acclaimed service and support

The IBM Netfinity Rack Configurator simplifies planning for efficient use of rack space. Get your Netfinity servers up and running with 90-day IBM Start Up Support at no extra charge and with a three-year limited warranty.¹

Start simple. Grow fast.

It's a challenge network administrators face every day—how do you increase your computing capacity without driving your company out of its own offices? IBM has an answer to this dilemma: flexible rack solutions that consolidate servers and save space while permitting easy access to crucial components.

Netfinity 5500 series tower servers come with a single NetBAY3 stackable enclosure to store rack-mounted components in a clever 3U² design that fits neatly under your server. Or, if you opt to convert

your Netfinity 8500R to a tower, the rack-to-tower conversion kit includes a NetBAY3 at no additional charge. Up to three NetBAY3 units can be stacked, offering small businesses a cost-effective way to add capacity. NetBAY3 enclosures come in two depths to match the footprint of the supported tower server: the NetBAY3, 609.6mm deep (24") or the NetBAY3E, 711.2mm deep (28").

The NetBAY22 is a full-function, EIA-compatible, 22U small rack cabinet excellent for branch office or small business environments requiring additional flexibility and capacity. Capable of storing multiple servers, storage expansion, tape libraries, networking hardware, power units and consoles, it is also available with a 203mm (8") extension option to securely handle the deeper Netfinity 8500R server.



Netfinity

Netfinity rack solutions provide a straightforward means to consolidate servers and save space.

With 42U capacity, the *Netfinity Rack* gives you considerable storage capability. The rack holds up to eight servers, six when configured with flat panel console and UPSs. Using the 3U IBM Netfinity EXP15 storage expansion units and 36.4GB³ hard disk drives, you can get up to five terabytes³ of storage in a single Netfinity Rack. In addition, with the specially designed 203mm (8") extension option, it supports and secures Netfinity 8500R servers.

The newest IBM rack product is the *Netfinity Enterprise Rack*. Also 42U, this rack securely handles the space requirements of the deeper Netfinity servers. The Enterprise Rack lets you mix large enterprise servers and industry-standard servers in the same rack—a real value when you start deploying IBM system interoperability and data mining solutions.

Both the Netfinity Rack and Netfinity Enterprise Rack can be integrated into rack suites.

Innovative details for strength, security, convenience

Netfinity rack products feature heavy-duty, slide-out component rails and lock-and-key security.

The improved ruggedness and stability of the welded-steel construction and lower height of the Enterprise Rack enable it to be relocated within the building preloaded with up to 667kg (1470lb). It moves easily on heavy-duty casters through standard 2m (80") doorways—making it easy to install and ready to run. Increased internal space leaves room for extra cable-routing channels and brackets, cable-management arms and fiber cable supports.

For the business that needs to expand server capacity with a minimum of floor space and cost, the NetBAY22 provides a 22U solution in a smaller footprint. Bolted-steel construction enables economy due to manufacturing efficiency.

The modularity of these Netfinity storage solutions helps reduce the cost of server system storage, enabling you to purchase and deploy the right rack solution for the amount of storage you need immediately and expand later.

The IBM NetBAY3E and NetBAY22 with extension offer enterprise business environments a cost-effective way to extend the life of their existing Rack investments.



NetBAY3E



NetBAY22

IBM Netfinity Rack—enclosures and options at a glance

	Enterprise Rack	Netfinity Rack	NetBAY22
Industry-standard cabinet	EIA 310-D-Type A cabinet with universal hole spacing		
Unit mounting capacity	42U, plus four 1U sidewall compartments	42U, plus four 1U sidewall compartments	22U, plus two 1U sidewall compartments
External dimensions (HxWxD)	202x64x111cm (79.5"x25.5"x43.5")	207x60x88cm (81.5"x23.5"x34.5")	118x60x88cm (46.5"x23.5"x34.5")
Internal dimensions (HxWxD)	187x44x96cm (73.5"x17.5"x38")	187x44x76cm (73.5"x17.5"x 30")	98x44x76cm (38.5"x17.5"x30")
Weight	<i>On casters or leveling pads</i>	<i>On casters</i>	<i>On leveling pads</i>
Empty cabinet	261 kg (575 lb)	125 kg (276 lb)	83 kg (182 lb)
Load capacity	667 kg (1470 lb)	374kg (824 lb)	338 kg (746 lb)
Total	928 kg (2045 lb)	499 kg (1100 lb)	421 kg (928 lb)
Shared console support	Console server selector switch; 4, 8 ports per switch; two-level switch tiering; 8x8 = 64 ports maximum		
Power distribution options (Country-specific)	<i>Power distribution units:</i> 100-120V, 12A, 8 NEMA outlets; 200-240V, 16A, 10 IEC outlets <i>Uninterruptible power source:</i> 1400VA, 12 V, 6 NEMA outlets; 1400VA, 220-240V, 4 IEC outlets; 3000VA, 120V, 8 NEMA outlets; 3000VA , 220-240V, 8 IEC outlets		
Supported devices	IBM Netfinity server systems; IBM storage expansion units; IBM tape libraries; IBM networking products; console devices—IBM monitors, IBM keyboards; power systems (including APC Uninterruptible Power Sources); user-defined components		
Planning aid	IBM Netfinity Rack Configurator		

IBM Netfinity Rack Configurator simplifies layout planning

IBM is continually improving the interface between Netfinity servers, accessories, storage and industry-standard Netfinity racks. For example, the Flat Panel Monitor Rack Mount Kit is a new option that allows selected IBM Flat Panel Color Monitors to be mounted on the Netfinity Rack Keyboard Tray along with the IBM Space Saver Keyboard and a Netfinity Rack Console Server Selector Switch. Together, these components form a sharable, rack-mounted server console that fits into a slender 3U rather than 11 to 12U for the traditional CRT plus keyboard.

The changing variety of sizes, access and cabling requirements of components in a complex networked system can be a challenge. If clustering, consolidation or other racked solutions are in your plans, the powerful IBM Netfinity Rack Configurator can help you design the optimum layout.

The Netfinity Rack Configurator helps you check, correct and report:

- Components by product number and position
- Infrastructure specifications, including weight, power, volt-amps (VA), heat (BTU/hr), bays, EIA, outlets and console ports
- Width and depth; front, rear and side clearances; total weight and top clearance
- Cables and connectors by component position

Service and support for a complete solution

When you house your Netfinity server in an Enterprise Rack, Netfinity Rack, NetBAY22 or NetBAY3, you are getting considerably more than a sleek black cabinet. IBM Netfinity Rack solutions come with the acclaimed service and support you expect from IBM.

- For the first three years after you acquire your Netfinity server, you have IBM's limited, onsite warranty service. All Options by IBM, including Netfinity Racks, assume the warranty term of the server with which they are installed.

- You also get 90-day IBM Start Up Support for technical assistance in setting up your Netfinity system. If more assistance is required, the IBM HelpCenter® is a telephone call away.⁴
- IBM now offers services to help facilitate the planning, installation and configuration of your rack solutions. When you purchase a ServicePac® for SmoothStart™ Services from your Business Partner, you can receive services for stand-alone or clustered Netfinity servers.

IBM. The choice is clear.

When you choose a server solution from IBM, you get the foundation it's built on—excellence in service and support, experience with business-critical systems and top-notch hardware and software products. You get the best value over the total life of the server solution. You get IBM.

IBM. When you think about it, it's just better business.

Netfinity solutions	
Options by IBM www.ibm.com/options	The established way to add capacity and function to your Netfinity server with a wide range of options specifically designed and optimized for both your Netfinity system and rack solution. For seamless warranty coverage, Options by IBM assume the three-year warranty term of the Netfinity server system on which they are installed.
ServerProven⁵ www.ibm.com/pc/us/netfinity/serverproven	To provide a broad selection of easy-to-install-and-use software and hardware, IBM's Netfinity ServerProven™ program works with vendors to test hundreds of products, options, network operating systems and applications.
Need more information?	IBM Reseller and general information United States 1 800 426-7255 ext. 4752 Canada 1 800 426-2255 World Wide Web Netfinity Rack Configurator www.ibm.com/pc/us/products/server/download SystemXtra ^{®6} www.ibm.com/pc/us/systemxtra Visit the Netfinity Web site at www.ibm.com/netfinity

¹ For terms and conditions or copies of IBM's Statement of Limited Warranty, call 1 800 772-2227 in the U.S., and in Canada, call 1 800 426-2255. Limited warranty includes International Warranty Service in those countries where this product is offered. Telephone support may be subject to additional charges.

² A single "U," or rack unit, is 1.75" or 44.45mm.

³ When referring to hard disk drive capacity, GB means one billion bytes, and terabyte means 1 trillion bytes. Total user-accessible capacity may vary depending on operating environments.

⁴ Response time may vary.

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