

Scalable Fibre Channel storage for small to midrange businesses
at an affordable price



IBM TotalStorage DS4000 EXP710 Expansion Unit Express Model



The explosion of information created by e-business is making storage a strategic investment priority for companies of all sizes. Storage consolidation can help support better business efficiency by improving storage capacity which leads to more efficient storage management. As storage becomes a priority, simplification, business continuity, and information lifecycle management are three major concerns.

Highlights

When attached to a DS4000 disk system, the DS4000 EXP710 Expansion Unit Express Model is designed to:

- **Offer configurations targeted to small and medium businesses— at a very attractive price**
- **Deliver leading-edge performance and productivity**
- **Provide cost-effective flexibility and scalability**
- **Incorporate dynamic capabilities such as Dynamic Capacity Expansion which allows you to add drives to existing volume groups**
- **Bring improved reliability, availability and serviceability (RAS) capabilities to an entry-level storage server**
- **Offer unique DACstore, which stores configuration metadata on every disk drive to help data remain intact**

The IBM DS4000 EXP710 Express offers a Fibre Channel storage solution designed to support high availability and reliability, point-in-time copying and volume copying for disaster recovery, as well as synchronous and asynchronous mirroring options.

Offered in targeted configurations at an attractive entry price of less than \$10,000, EXP710 Express is designed to deliver outstanding performance and productivity right out of the box.

Overview

In today's demanding marketplace, data must be available and easy to access. An expandable storage solution designed to support high availability can help address the demands of a growing business. Having a powerful storage manager that is designed for ease-of-use, support for dynamic capabilities, and support for multiple operating system environments can be critical.

Business simplification can help you break through the thinking that "more is better." Consolidating storage resources into fewer systems can help create more powerful, more responsive systems and support flexible growth.

The EXP710 Express expands the IBM TotalStorage® DS4000 family by offering a new 14-bay, 2 Gbps, rack-mountable Fibre Channel (FC) drive enclosure. Enhancements include support for improved reliability and efficiency utilizing internal switch technology to attach to each disk drive within the EXP710 Express enclosure.

EXP710 Express has a powerful storage manager for online administration, configuration and maintenance to make storage management simpler and easier.

DS4000 EXP710 Express has Dynamic Capacity Expansion (DCE) which allows you to add drives to an existing volume group, and Dynamic Volume Expansion (DVE) which allows you to add available capacity to existing volumes.

Highly scalable to address the demands of a growing business, the EXP710 Express is designed to interoperate with IBM @server® pSeries® and IBM @server xSeries® servers as well as other Intel® processor-based and UNIX® operating system-based servers. To help make integration easy, IBM tests the DS4000 for interoperability with IBM servers, as well as with many other brands of servers and switches.

Not too big. Not too small.

Designed for mid-sized business, the IBM Express Portfolio of offerings is just right. Each and every offering that's part of the IBM Express Portfolio is designed with three simple features:

- 1. Easy to install and deploy**
- 2. Easy to manage**
- 3. Competitively priced**

The IBM Express Portfolio of offerings are scalable and have the features and functionality you'll need to meet your technology needs, including hardware, software, services and financing. Since they are priced just right for mid-sized businesses, you know you'll get more out of your investment.

Feature	Benefit
DS4000 EXP710 Express	<ul style="list-style-type: none"> • Scalable and flexible • Redundancy and reliability • Supports mainframe-inspired reliability, availability and serviceability (RAS) capabilities
DACstore	<ul style="list-style-type: none"> • DACstore technology <ul style="list-style-type: none"> — Configuration metadata stored on every drive
Dynamic capabilities	<ul style="list-style-type: none"> • Dynamic Capacity Expansion (DCE) <ul style="list-style-type: none"> — Add drives to existing volume group • Dynamic Volume Expansion (DVE) <ul style="list-style-type: none"> — Add available capacity to existing volumes • Dynamic RAID Level Migration (DRM) • Dynamic Segment Size Migration (DSS) • Support for non-disruptive firmware upgrades
Express Configurations	<ul style="list-style-type: none"> • Optimized configurations • Ease of ordering • Special pricing
Optional Copy Services	<ul style="list-style-type: none"> • FlashCopy, VolumeCopy, Enhanced Remote Mirroring

Order and install with ease

The DS4000 EXP710 Storage Expansion Unit Express Model is easy to buy and install. IBM offers several distinct configurations of the DS4000 EXP710 Express with a 3-year warranty to protect your investment.

IBM Technical Support Services can provide comprehensive installation services to help install the storage server and deploy key workloads. In addition, IBM Global Services (IGS) provides consulting and integration services to deploy and integrate complex applications into an IT environment.

For more information

Contact your IBM representative or
IBM Business Partner or visit

ibm.com/eserver/express



MB, GB and TB equal 1,000,000,
1,000,000,000 and 1,000,000,000,000 bytes,
respectively, where referring to storage capacity.
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.

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¹ Requires optional Advanced OpenPower™
Virtualization (AOPV) feature.

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