

COMPAQ 300-/600-Megabyte Fixed Disk Drive Expansion Unit



COMPAQ

It simply works better.

The optimal high-capacity, high-performance storage system

The COMPAQ 300-/600-Megabyte Fixed Disk Drive Expansion Unit delivers a total Compaq solution for advanced applications with large storage requirements, such as networking and multiuser systems.

Maximum capacity: over 1.2 gigabytes

The COMPAQ Expansion Unit features one standard and one optional full-height high-performance 300-Megabyte Fixed Disk Drive. A total of two Expansion Units can be added to the COMPAQ DESKPRO 386/25, COMPAQ DESKPRO 386/20 or COMPAQ DESKPRO 386, providing maximum storage capacity of over 1.2 gigabytes. That's twice the total storage capacity available with the 20-MHz IBM[®] PS/2[™] Model 80. Moreover, the Expansion Unit packs all this capacity into a small footprint, saving you workspace.

Get to work faster

Unlike other external systems, the high capacity of the COMPAQ Expansion Unit does not come at the expense of high performance. The fixed disk drives deliver some of the industry's fastest access times: less than 20 milliseconds. The ESDI fixed disk drive controller lets it operate at the highest possible performance. A 1:1 interleave and a 16K forward-reading buffer reduce data retrieval time. In total, data is transferred at a rate of 10 megabits per second.

Performance is also enhanced with MS-DOS[®] Version 3.3 as published by Compaq. This exclusive feature breaks the 32-megabyte partition barrier found in other versions of MS-DOS. It enables each 300-Megabyte Fixed Disk Drive to be formatted as one logical drive, providing the capability to create or download files up to the total capacity of the fixed disk drive. Other systems are limited by 32-megabyte partitions, requiring large files to be divided or separated.

Make prime time on the network

The COMPAQ Expansion Unit is an ideal solution to increase the storage and productivity of a file server on your local area network. It also provides a variety of options for greater data protection.

The Expansion Unit is designed to meet the highest standards for LAN system (disk) fault tolerance.

This ensures data integrity by duplicating files on a second fixed disk drive. The two disk configurations that achieve fault-tolerant operation are disk mirroring and disk duplexing.

- Disk mirroring ensures uninterrupted system operation with no data loss, by providing a backup copy. Disk mirroring requires a single fixed disk drive controller and two identical fixed disk drives.
- Disk duplexing goes beyond disk mirroring in both fault tolerance and performance. It ensures continuous system operation and improves performance by simultaneously servicing two disk read requests and by selecting the disk drive that can service each request faster. Duplexed disks typically perform read operations twice as fast as mirrored disks. Disk duplexing requires two fixed disk drive controllers and two identical fixed disk drives.

Get more out of specialized applications

The COMPAQ Expansion Unit provides a new level of storage capacity for systems running specialized applications that demand extensive fixed disk drive capabilities. Mainframe communications, multiuser systems, CAD/CAE, and database management are prime examples.

The total Compaq solution

The COMPAQ Expansion Unit, configured with the COMPAQ DESKPRO 386/25, COMPAQ DESKPRO 386/20 or COMPAQ DESKPRO 386, offers a total solution that's unchallenged by any other personal computer manufacturer. No company surpasses Compaq in performance, quality, reliability and user satisfaction.

Specifications

Storage Devices: Full-height, high-performance 300-Megabyte Fixed Disk Drive (one standard, one optional). Average access time less than 20 milliseconds.

Controller: 1:1 interleave buffered ESDI external fixed disk drive controller board installs in one 8-/16-bit expansion slot in the system unit.

Interface Board: Internal ESDI drive interface board supports one or two 300-Megabyte Fixed Disk Drives.

Power Supply: 192 watts steady-state, 220 watts peak.

Physical Specifications: 14.5" W x 6.4" H x 16.5" D (35.9cm W x 16.2cm H x 41.9cm D). Weight with one 300-Megabyte Fixed Disk Drive (standard), 27.5 lb. (12.4 kg); with two 300-Megabyte Fixed Disk Drives, 35.5 lb. (15.9 kg).

Standard Configuration

One 300-Megabyte Fixed Disk Drive; one 4-foot connector cable; one 1:1 interleave buffered ESDI fixed disk drive controller board.

TOTAL STORAGE EXPANSION						
Internal			300-/600-Megabyte Fixed Disk Drive Expansion Unit*		300-/600-Megabyte Fixed Disk Drive Expansion Unit**	
1.2-Megabyte Diskette Drive (Standard)	1.2MB/360K/1.44MB Diskette Drive (Optional)	135-Megabyte Fixed Disk Drive Backup (Optional)	300-Megabyte Fixed Disk Drive (Standard)	300-Megabyte Fixed Disk Drive (Optional)	300-Megabyte Fixed Disk Drive (Standard)	300-Megabyte Fixed Disk Drive (Optional)
MEGABYTES			137	452	767	1,082
						1,397

*The internal fixed disk drive can also be used with one expansion unit. **The internal fixed disk drive must be removed/disabled if two expansion units are attached. Refer to the operating system information for the specific level of multiple fixed disk drive support.

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