

ATTACHMENT B

Multiple 7-XP™ units installed in one /AT System

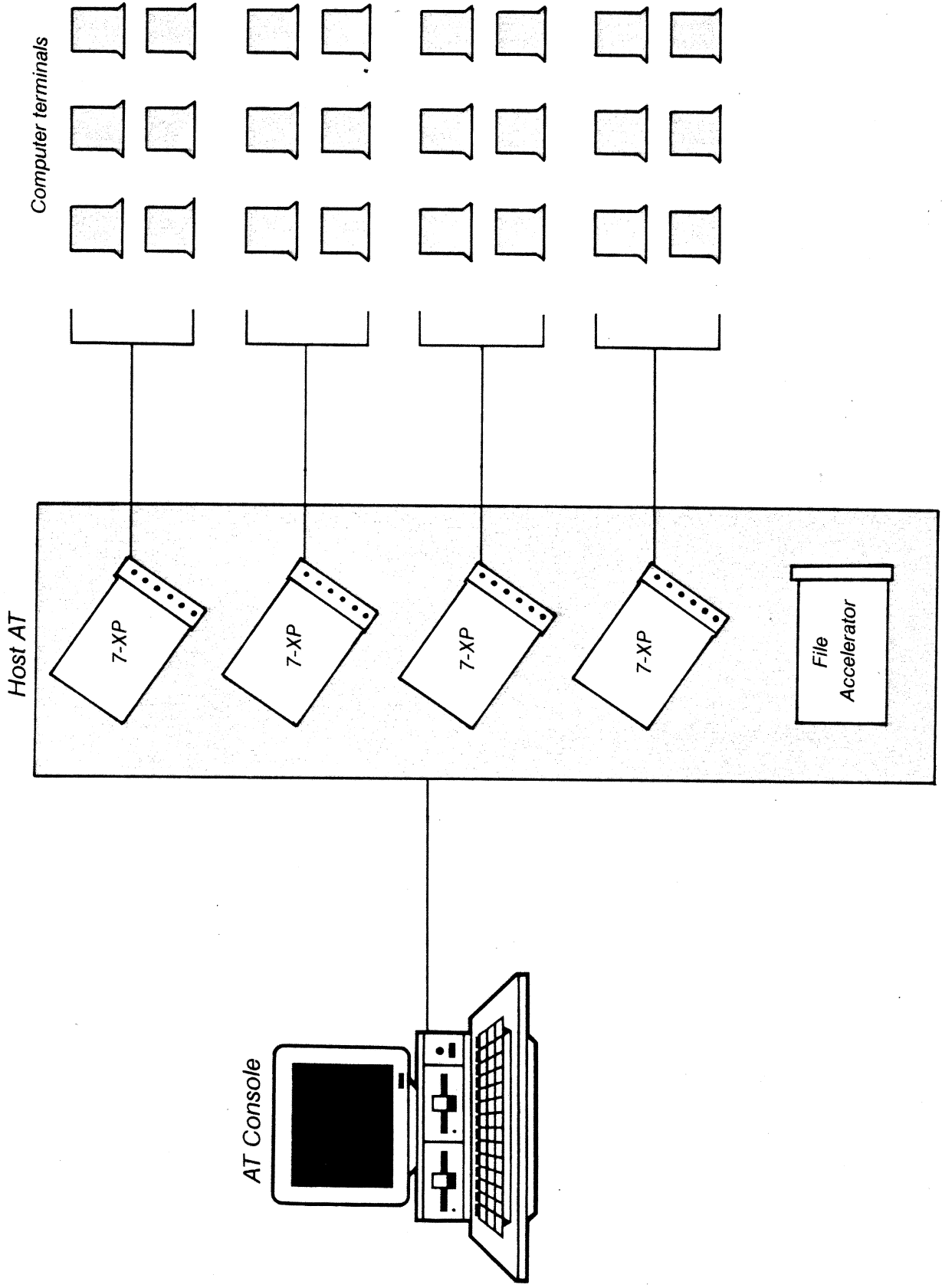
Ten X provides the ability to install multiple 7-XP's in a single AT chassis. Given the number of available slots in an IBM PC/AT system, four 7-XP's and one File Accelerator can be physically installed in the chassis. This means twenty-four (24) terminals may be connected to one AT system. Other AT class systems, currently on the market, allow an additional two 7-XP's to be installed, therefore, upping the user count to thirty-six (36).

Printers installed via DOS ports can be shared by all terminals. Disk data is shared by all terminals.

The X-LINK™ File Accelerator is a required product for multiple 7-XP's in one chassis. The load created by the large number of file requests from the number of users on the system will need to be offloaded from the AT. This is accomplished with the File Accelerator. Once a file request is made by an application, the request is trapped from going to DOS and is sent to the File Accelerator. The File Accelerator processes the request efficiently using techniques usually found only in mainframe systems. There is 1/2Mbytes of memory for caching the data. Queued requests utilize elevator disk seek optimization. In addition, hardware concurrency plays an important role in providing additional performance. Multiple processors on the File Accelerator work with the 7-XP and the AT's CPU. This three-way concurrency allows the system to perform well as the load activity increases. The File Accelerator performance does not degrade for larger (greater than 1Mbyte) files as does DOS.

DOS requires that larger disks be partitioned into 33Mbyte partitions. The File Accelerator does not impose this limitation. The entire disk can be formatted as one large file. Usually, there is one DOS partition for booting the system, for DOS programs and for local DX10 files. The rest of the disk is reserved by the File Accelerator for shared data files. Multiple disks can also be used with the File Accelerator.

Multiple 7-XP configuration in one AT chassis



IBM AT or compatible with four 7-XP software transporters