

TEAC[®]

MASS STORAGE SUBSYSTEM

PS-5150

- Plug-compatible with IBM PC*
- Single compact body with fixed disk and back-up storage units
- Disk data storage capacity of 10 MBytes formatted, 12.76 MBytes unformatted
- 10 MBytes in approx. 2 minutes disk-to-tape back-up



COMPLEMENT YOUR IBM PC EXTERNAL MASS STORAGE

If you're the busy operator of an IBM PC with a lot of data to handle, you're probably thinking about external storage devices which offer more than the traditional floppy disk drive. You'd be wise to think about TEAC. TEAC has a storage device designed precisely to complement an IBM PC: the PS-5150 Mass Storage Subsystem. The PS-5150 is plug-compatible with the IBM PC—and this means that it can also be teamed with much of the other IBM-compatible equipment coming into today's market. It is a particularly good and cost-efficient match for IBM's modularized IBM AT*, and has

the potential to enhance the performance of the XT* as well. It connects simply via a CPU interface card at the computer option slot, and is immediately controllable from the IBM keyboard. At the same time, however, hard disk backup is controlled independently of the computer through the PS-5150's own control circuitry, giving your data an added level of protection from system failures and operator errors. With the PS-5150, TEAC has combined its vast experience in magnetic tape drive technology with the latest advances in disk drive design to present the IBM PC operator with a new space age.



C WITH TEAC'S ADVANCED DRAGE TECHNOLOGY

A New Combination: Hard Disk Plus Streamer

This new and advanced mass storage memory system brings together into a single package two proven representatives of TEAC technological supremacy—the SD-510 5-1/4 inch Hard Disk Drive and the MT-2ST Digital Cassette Tape Streamer. Together they offer a storage capacity of 10 MBytes of formatted data (12.76 MBytes unformatted) on disk and another 10 MBytes on tape. The MT-2ST is a compact, convenient, and economical means of mass data storage. Its 10,000 frpi recording density and 10 MBytes of capacity mean that the entire contents of a hard disk can be speedily dumped to a single tape—perfect for backing up or copying data. The MT-2ST utilizes TEAC CT-450 cassette tape, with a specially developed formulation for data storage and a high precision shell. The backup Save/Load operation is simple, and will be immediately familiar to the IBM operator. The entire disk is backed up each time the Save operation is performed, protecting your valuable data against disk and system failure, or operator error. It's safe, it's simple, and it's secure—and as operating costs are low, it won't strain your budget.

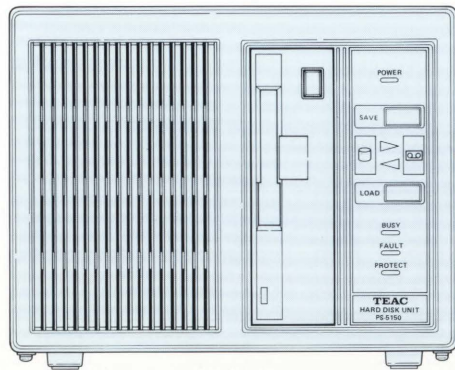
High Speed Access to All Your Data

Don't imagine that you have to sacrifice speed of access to your data with expanded storage capacity. The PS-5150 not only allows you to save more data, but provides you with speedy and accurate access to it. The cassette streamer's high 10,000 frpi recording density and 90 ips tape speed make high speed read/write operations possible, and the PS-5150 can transfer 10 MBytes of data from disk to streamer in about 2 minutes. Storage capacities and speeds like this open the way to sophisticated data management functions hitherto available only on big mainframe computers: large files will no longer have to be broken up to be transferred, and you can expand system features such as data switching between systems. With this sort of capacity for high-speed disk-to-cassette data transfer and other advanced data-processing functions, you'll be building up your own data bank in no time.

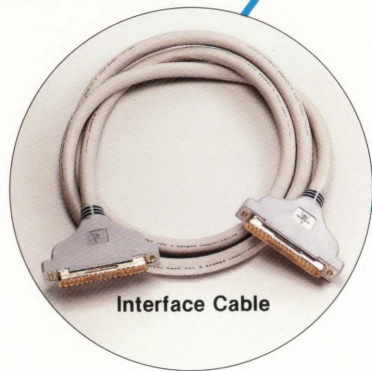
The High-Speed High-Performance SD-510

Fast disk-to-cassette transfer rates are complemented by the exceptional access times offered by the slim and speedy SD-510 Hard Disk Drive incorporated in the PS-5150. Average access time in fast seek mode is a lightning 65 msec with access to the whole of the disk surface. The data transfer rate is 5 Megabits per second.

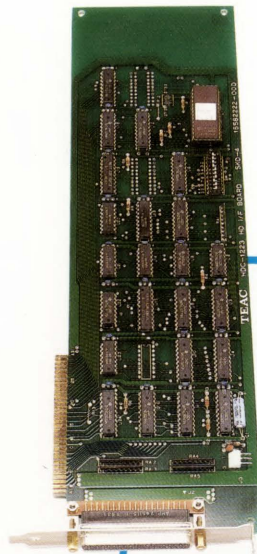




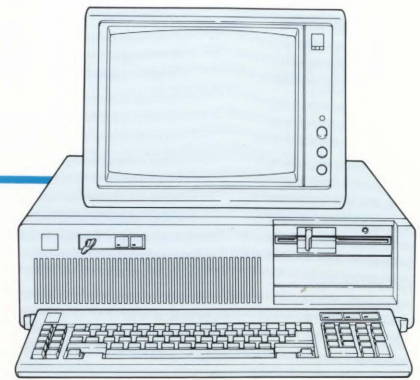
PS-5150



Interface Cable



Connection Card



PC

PLUG-IN CONNECTIONS FOR IMMEDIATE USABILITY

An interface card and connection cable for connecting the PS-5150 to your IBM PC are included as standard equipment. Just insert the card into the PC's option slot, and plug the cable in to the PS-5150. Your mass storage unit is ready for immediate use.

SPECIFICATIONS

Compatible computer: IBM PC

Fixed disk unit

Hard disk drive: 5-1/4 inch Winchester disk
TEAC SD-510

Data capacity: 10 Mbytes (formatted)
12.76 Mbytes (unformatted)

Total sectors (Bytes): 512

Number of sectors per track: 18

Number of cylinders: 306

Number of heads: 4

Average access time: 65 ms

Disk revolutions: 3600 rpm

Back-up unit

Back-up drive: Cassette streamer TEAC MT-2ST

Recording system: GCR system

Tape speed: 90 ips

Tape format: QIC-24

Back-up time: About 2 min.

Tape: TEAC CT-450

General

Interface cable length: 1.2 m (4 ft)

Power requirements

Rated voltage: 100—120 V AC (or 200—240 V AC)

Input voltage: 85—132 V AC (or 170—264 V AC)

Rated frequency: 50—60 Hz

Input frequency: 47—63 Hz

Power consumption: 120 W max.

(when 132 V AC is used)

Ambient conditions

Operating temperature: 10°C—40°C
(50°F to 104°F)

Temperature fluctuation:

Storage temperature: -25°C to 60°C
(-13°F to 140°F)

Operating relative humidity: 20%—80%
(no condensation allowed)

Storage relative humidity: 10%—80%
(no condensation allowed)

Dimensions

(W × H × D): 242 × 185 × 355 mm
(9-1/2" × 7-5/16" × 13-3/4")

Weight:

9.5 kg (4 lbs. 5 oz.)

Features and specifications are subject to change without notice.

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TEAC

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