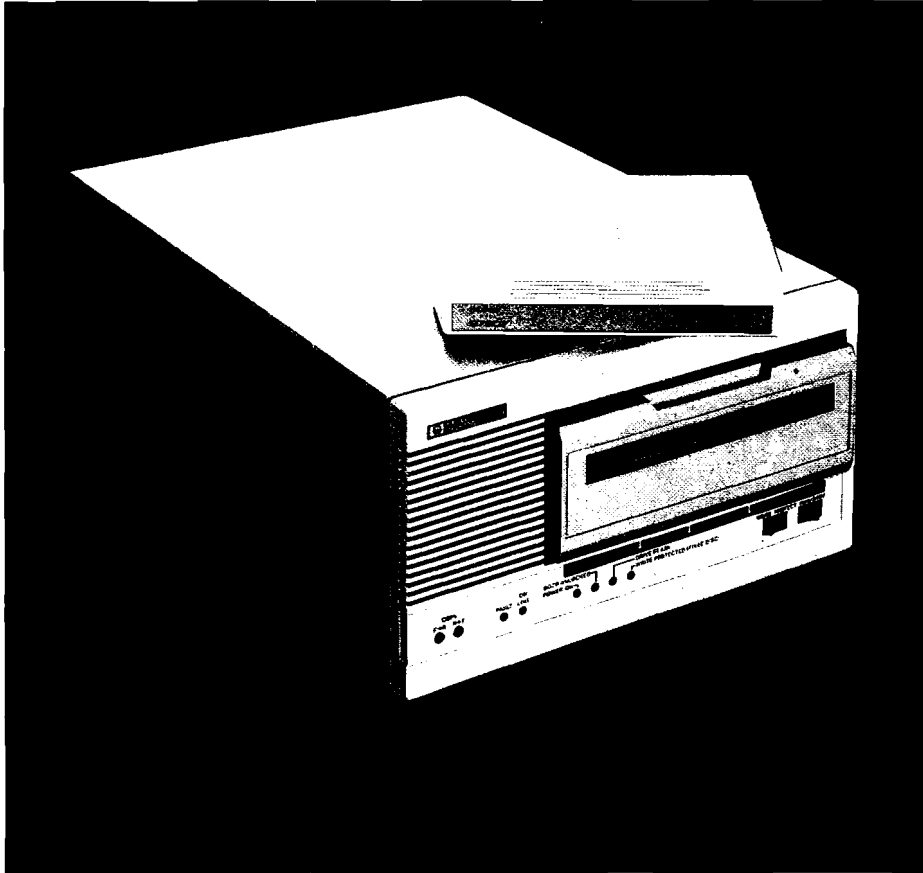


HEWLETT-PACKARD

HP 7907A Fixed/Removable Mass Storage Subsystem



A revolutionary new mid-range disc drive for

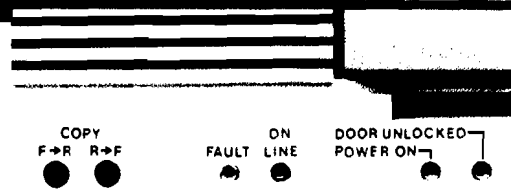
- **Data Logging**
- **Data Security**
- **CAD/CAM**
- **Automated Testing**

Introducing the HP 7907A

Now the CS/80 product family includes a fixed/removable disc drive in the mid-range!

- 20.5 megabytes of fixed *and* 20.5 megabytes of removable formatted capacity in an easy to use front-loading configuration.
- 8-inch removable disc cartridge with an intelligent controller using the CS/80/HP-IB protocol.
- CS/80 and HP-IB compatibility means support on HP 1000 and HP 9000 processors.

Pushbutton back-up is just one of the special features built into this drive.

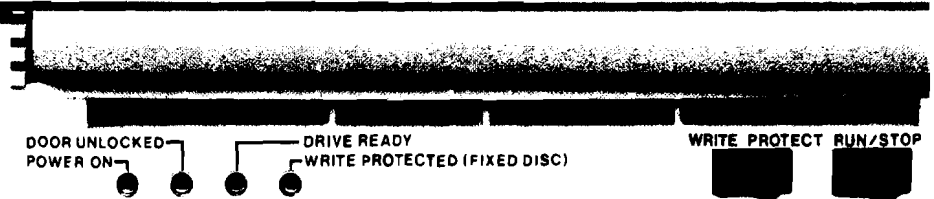


Designed for high performance, like fast back-up three different ways!

In addition to back-up done through the CPU, the HP 7907A offers a pushbutton back-up feature that copies data from the fixed to the removable disc and vice-versa *in less than three minutes*. Since the CPU is only locked out for the time it takes to do the back-up, system downtime is minimized. That means you don't have to wait longer than three minutes to get back on the computer!

If you prefer, you can tell the CPU to initiate the back-up, which simply means you don't push the copy button; the CPU, in effect, does it for you. It's still done directly from disc to disc, and it's done in less than three minutes. Of course, back-up can always be done via the CPU, but the system may be locked out for the back-up. This is an option that's good to use for partial back-ups, and when you'd like the CPU to reorganize the files as it copies them.

The "write protect" feature safeguards sensitive data.

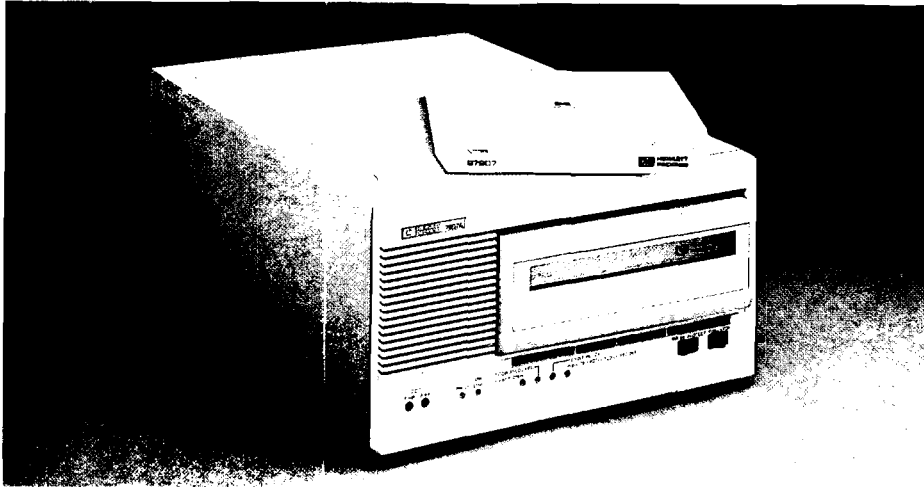


There's even a built-in data protection device.

Because of the "write-protect" toggle switch on the front panel, valuable or sensitive data can be protected at the touch of a button. Turn it on and data on the fixed disc cannot be written over or erased. Turn it off when the data no longer needs to be protected.

The removability of the disc cartridge means the HP 7907A is ideal for a variety of applications.

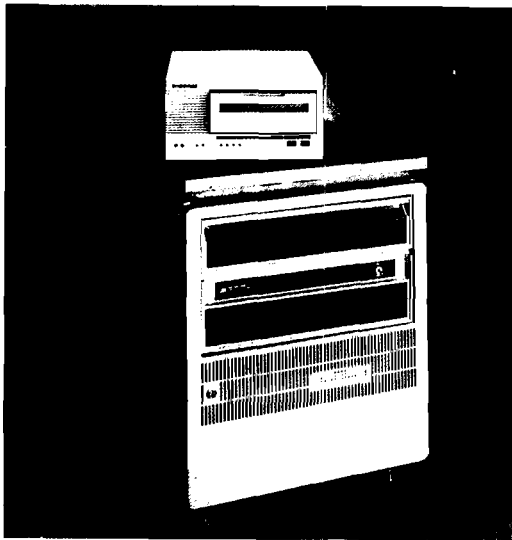
Users in the CAD/CAM industry will find this disc drive extremely useful, since large volumes of data are common and need to be interchanged quickly and easily. It will be equally desirable in automated testing environments, where quick system reconfiguration is required. In security and intelligence applications data security is critical, so the ability to remove the disc cartridge and lock it away is essential. And, when large amounts of data are recorded or taken off-line quickly, as in data logging, an easy to handle removable disc cartridge is invaluable.



The HP 7907A offers mid-range system users high performance and a variety of special features in a compact, lightweight package.

And it's all in a compact package!

The HP 7907A is less than 7 inches high and 13 inches wide, so it can be used as a desktop model, or can be easily put into the Hewlett-Packard mobile mini-rack, or standard 19-inch EIA rackmount.



The HP 7907A offers HP 7906 customers a removable-media disc that is smaller, less expensive, and supported on both HP 1000 and HP 9000 systems.

Compare the HP 7907A to its predecessor, the HP 7906.

With twice the storage capacity and one-tenth the physical size, the HP 7907A is truly in a class ahead of the HP 7906. But that's not the best part . . . the HP 7907A is only one-third the cost per megabyte!

Technical Data:

Operating Specifications

Disc performance

Average controller throughput time:	4.0 ms
Average seek time:	30.0 ms
Average rotational delay:	8.5 ms
Average time to transfer 1 kbyte:	1.8 ms
Total average transaction time (excluding system overhead):	44.3 ms

Maximum disc transactions per second, for
1 kbyte transfers, less system overhead: 22.6 ms*

* Refers to fundamental disc performance; true I/O rates must include the individual system configuration specifications and are application dependent.

Operating Characteristics

Data capacity (formatted)

Item	Data Bits Per	Data Bytes Per	Data Words Per	Sectors Per	Tracks Per
Byte	8	—	—	—	—
Words	16	2	—	—	—
Sector	2,048	256	128	—	—
Track	131,072	16,384	8,192	64	—
Fixed Disc	164,364,288	20,545,536	10,272,768	80,256	1,254
Cartridge	164,364,288	20,545,536	10,272,768	80,256	1,254
Drive	328,728,576	41,091,072	20,545,536	160,512	2,508

Overall Characteristics

Heat dissipation (typical operating)

7907A Disc Drive: 145 watts (495 Btu/hr, 125 Kcals/hr)

Electromagnetic emissions

Radiated and conducted interference:

- HP 7907A — For U.S.A., designed to meet FCC Docket 20780 for Class A computing devices.
- HP 7907A — For Europe, designed to meet applicable VDE requirements for computing devices.

Safety

The HP 7907A meets all applicable safety standards of the following:

- IEC 380 and 435
- UL 114 and 478
- CSA C22.2 No. 154

Physical Characteristics

Dimensions

HP 7907A in stand-alone cabinet:

Height: 180.3 mm (7.1 in.)
Width: 325.1 mm (12.8 in.)
Depth: 467.4 mm (18.4 in.)

Weight

HP 7907A

Shipping: 29.1 kg (64.1 lb)
Net: 25 kg (55 lb)

Environmental requirements

Note: Before installing the HP 7907A, refer to the Site Environmental Requirements for Disc/Tape Drives Manual, part number 5955-3456. Available at your local Hewlett-Packard Sales Office.

Ordering Information

HP 7907A

41 Mbyte disc drive, integral CS/80 controller, disc cartridge, and 1-metre HP-IB cable.

Available options

015 — 240V/50 Hz

550 — Deletes HP-IB cable

Accessories supplied with each HP 7907A

Disc Drive Owner's Manual (07907-90901)

Site Environmental Requirements for Disc/Tape Drives (5955-3456)

One 20.5 Mbyte Removable Disc Cartridge (97907A)

Accessories NOT supplied with each HP 7907A

HP 19507A Rackmount Kit for 19-inch EIA equipment racks.

HP 92211R/L Desk-height stand-alone cabinets for stackable peripherals and systems.

Hewlett-Packard, in a continuing effort to offer excellent products at a fair value, reserves the right to change specifications, designs, and models without notice.

For assistance call the HP regional office nearest you: Eastern 301/258-2000, Midwest 312/255-9800, Southern 404/955-1500, Western 801/506-3700, Canadian 800/387-3867. Or write to: Hewlett-Packard, 1820 Embarcadero Road, Palo Alto, California 94303; in Europe: Hewlett-Packard S.A., 7 rue du Bois-du-Lan, P.O. Box 364, 1217 MEYRIN 1, Geneva, Switzerland; elsewhere in the world: Hewlett-Packard Intercontinental, 3495 Deer Creek Road, Palo Alto, California 94304.

