

Spender: Unbekannt. Aus geräumtem Außenlager der ISER, Schallershofer Straße
Datum: 25.05.2022
Inventarnummer: I1917
Standort:
Objekt: Hewlett Packard, Wechselplattenlaufwerk 9867B, mit Adapterkarte
Modell: 9867B
Hersteller: Hewlett Packard, Palo Alto, Kalifornien, USA
Baujahr: 1979
Seriennummer: 7120-0636 ?
Maße: 654mm/483mm/267mm (L/B/H)
Gewicht: 53 Kg
Zusatzdoku:

Kommentar:

Das HP9867B Wechselplattenlaufwerk war ein Teil des Massenspeichersystems HP 9880, das für den 9830 Computer entwickelt wurde.

Er bestand aus:

HP 9867B Dual Platten Massenspeicherlaufwerk mit 2,4 MB Datenspeicher.

HP 13215A Stromversorgung (Disc Power Supply unter I1814 in der Sammlung)

HP 11305A Steuergerät (Unter I1813 in der Sammlung)

Das 9867B-Laufwerk wird über das Interface HP11302B mit dem Steuergerät HP11305A verbunden.





HEWLETT PACKARD DISC PREVENTIVE MAINTENANCE RECORD

INSTALLATION
 DATE 18.6.84 BY WHOM *St. R. 184*

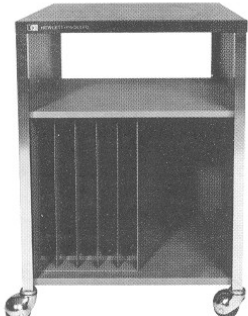
PREVENTIVE MAINTENANCE

DATE 15.8.85	BY WHOM L. Waarden
DATE 12.1.84	BY WHOM L. Waarden
DATE 16.5.84	BY WHOM L. Waarden
DATE 28.11.85	BY WHOM L. Waarden
DATE 6.5.85	BY WHOM L. Waarden
DATE 10.10.85	BY WHOM L. Waarden

P/N 7120-0636

9880B MASS MEMORY SUBSYSTEM

		<p>HP 9867B: Dual Platter (one removable, one fixed) Mass Memory Drive with interface cable (6 feet) and separate HP 13215A Power Supply.</p>
		<p>HP 11305A: Controller. Provides the necessary interface to transfer data and programs bidirectionally between the HP 9830A Calculator and the HP 9867B Mass Memory.</p>
		<p>HP 11273B: Read Only Memory, Calculator Interface Cable (10 feet) and Cassette for the HP 9830A Calculator. The ROM enables the HP 9830A Calculator to generate the necessary commands to write into and read from the Mass Memory. The cassette contains the program necessary to initialize a new memory cartridge and perform a system check out.</p>
		<p>HP 12869A: Memory Cartridge with 2.4 million bytes capacity.</p>



HP 11304A: Cart (optional). Provides support for the Mass Memory, the power supply and the controller and storage for several memory cartridges.

The HP 9880B Mass Memory Subsystem can be expanded in terms of increased data and program handling capacity. Up to two HP 9867B's can be connected to one HP 9830A Calculator through one HP 11305A Controller. The UNIT command enables the user to address any one of the desired memory platters.

Also, for increased versatility, up to four HP 9830A Calculators can be connected to the Mass Memory through the same Controller; however, only one calculator can be used to access the system at any one time. The HP 11305A Controller will sequentially service any of the four 9830A's requesting access to the mass memory.

MASS MEMORY COMMANDS

As many as 10 data files can be used in one FILES statement at the same time.

Each file on the mass memory device is identified by a unique name of 1 to 6 characters in length.

Program and special function key files are accessed by using the SAVE, GET, and CHAIN commands.

Data files are created with the OPEN command; the user specifies the number of records to be reserved. The READ and PRINT statements permit both sequential and random data access.

Program and data files are erased from the mass memory by using the KILL command.

The IF END statement makes end of file processing routines easy to write.

The CATALOG command causes information about the files contained on the mass memory device to be printed.

The UNIT command allows the user to access up to 4 mass memory platters from one calculator.

With the PROTECT command only authorized users, those who know the protection code, can access a data file. Also, protected files cannot be accidentally erased.

Special commands are also provided to allow the user to copy and to rename files and to create backup copies of files either on cassettes or on additional cartridges.

Many other commands and statements correspond to common time-share system commands and statements.

In conjunction with the String Variables ROM, strings can be stored as data, and they also can be used as variables for the access of files by name.

With the Matrix Operations ROM, two additional statements, MAT PRINT and MAT READ are available with the Mass Memory ROM.

SPECIFICATIONS

Data Capacity Available to User

Bytes	4,866,048
Bytes per word	2
Words per record	256
Number of records	9,504 (4752/platter)
Maximum number of files	1,536 (768/platter)

Speed

Average access time	42.5 m sec.
Data transfer time	5.7 m sec.
	per 512 bytes

(Mass Memory to Calculator or vice versa)

Environmental (Entire System)

Temperature	
Operating	+ 10 to + 40°C
Non-operating	- 20 to + 65°C
Altitude	0 to 10,000 feet
Humidity	8 to 80% non-condensing
Vibration	10 to 50 Hz at 0.01 inch peak-to-peak excursion
Attitude	± 30° pitch and roll

Air Filtration

HP 9867B Mass Memory Drive

Absolute filtering	0.3 micron
Air flow rate	75 CFM

Power Requirements

HP 9867B Mass Memory Drive and HP 13215A Power Supply

Standard:	100/120V ± 10%, 1φ, 3.4A, 60Hz (7A Starting Surge)
	200/220/240V ± 10%, 1φ, 1.7A, 60Hz (3.5A Starting Surge)
Option 001:	100/120V ± 10%, 1φ, 4.1A, 50Hz (8.5A Starting Surge)
	100/220/240V ± 10%, 1φ, 2.0A, 50Hz (4A Starting Surge)

HP 11305A Controller

100/120V + 5% - 10%, 48 to 66 Hz, 150 VA
220/240V + 5% - 10%, 48 to 66 Hz, 150 VA