

**MP-30 MASS MEMORY  
I/O PROCESSOR**

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## INTRODUCTION

The Infotek MP-30 Mass Memory I/O Processor is used in conjunction with the Infotek FP-30 Fast Processor.

With the MP-30 installed in the 9830 the data transfer rate is increased by approximately 5 times.

The MP-30 converts the FP-30 16-bit output into the 9880 4-bit input.

## INSPECTION AND UNPACKING

The MP-30 has been thoroughly inspected and tested prior to shipment, and is ready for operation when received. However, before installation and use, the MP-30 must be inspected for damage incurred during shipment.

## WARRANTY

Infotek Systems warrants the MP-30 to be free of defects in material and workmanship for a period of one year following receipt by the original purchaser. This warranty covers the repair or replacement, at Infotek's option, of said product if it has failed during the warranty period. This warranty does not cover physical damage resulting from abuse or modification.

Any Infotek product returned under warranty must be adequately packaged for the method of shipment selected and must be shipped with transportation charges prepaid. Recovery for loss or damage in shipment shall be the sole responsibility of the Buyer.

TABLE OF EQUIPMENT SUPPLIED

<u>Item</u>	<u>Description</u>	<u>Qty.</u>
1	MP-30 Mass Memory I/O Processor	1
2	MP-30 Manual	1

## SPECIFICATIONS

### Infotek Part Number

13138 MP-30

### Power

Supplied by the 9880 Controller

### Dimensions

Compatible with 11273B 9830/9880 Interface Assembly

### Weight

6.75 oz.

### Temperature

0 to 45°C (32° to 113°F)

## INSTALLATION

The MP-30 will work only with the Infotek FP-30 Fast Processor. Do not use the MP-30 in a standard 9830 as both may be damaged. The FP-30 must be configured to accomodate the Mass Memory System. Refer to the FP-30 Installation Manual for instructions on setting the proper memory before installing the MP-30.

### CAUTION

THE WIRES WHICH CONNECT THE 9880 MASS MEMORY I/O CABLE TO THE PC BOARD IN THE MASS MEMORY I/O ASSEMBLY ARE VERY FRAGILE. THESE WIRES ARE SOLDERED TO A CONNECTOR. EXTREME CAUTION SHOULD BE EXERCISED NOT TO PUT STRESS ON THESE WIRES!



1. Turn off the power to the 9830 and the 9880 Mass Memory.
2. Remove the 11273B I/O Assembly from the rear of the 9830.

3. Remove the 4 screws located on the top of the card assembly.
4. Turn the card over and lift off the bottom cover.
5. Note that the I/O cable is held in place by a rubber strain relief.
6. Gently remove the cable, connector and board from the box by grasping the cable near the strain relief and lifting vertically. Support the board as the cable comes free.

CAUTION: DO NOT PULL OR PUSH ON THE WIRES.

7. Remove the connector from the board by grasping the edges of the board with one hand and the ends of the connector between the thumb and forefinger of the other hand and gently rock back and forth while pulling the two apart.

CAUTION: DO NOT GRASP THE TOP AND BOTTOM OF THE CONNECTOR OR IN ANY WAY PULL OR PUSH THE WIRES.

8. Install the MP-30 by inserting the smaller connector edge into the cable connector. The cut out section of the MP-30 is toward the cable side of the connector.
9. Gently place the board in the card box and reinstall the rubber strain relief.
10. Replace the box cover, aligning the strain relief with the slot in the cover.
11. Turn the assembly over and secure with the four screws that were removed in step 3.
12. Remove the HP Mass Memory ROM from the 9830 and replace it with the FP-73 Mass Memory ROM or the Infotek Mass Memory II ROM. If the Infotek Mass Memory II ROM is to be used, refer to the MM-II instruction manual before using your system. Reconnect the Interface to the calculator.
13. This completes the installation procedure.

#### USING THE SYSTEM

The 9830/9880 must be energized in the following manner.

1. Turn on the 9880 Power Supply and Controller.

2. If the Infotek FB-II is installed the "Auto Start" will produce a beep every 5 sec. indicating 9880 is down. Press "STOP", the "Lazy T" will appear.

#### USING THE SYSTEM WITHOUT THE 9880 ENERGIZED

1. Turn on the 11305 controller.
2. Turn on the 9830. If the controller is not turned on the 9830 "Lazy T" will not appear.
3. Remove HP or Infotek Mass Memory Rom.
4. The 9830 is now ready. NOTE: Do not execute a "SCRATCHA" or loss of machine will occur.
5. To regain control of the 9830 turn off power to 9830. Reinsert FP-73 or Infotek Mass Memory Rom and go to step 1.
6. SCRATCH, SCRATCHV, SCRATCHK, may be used to erase programs, variables or keys.

#### USING THE SYSTEM WITHOUT THE 9880 CONNECTED

1. Turn off power to the 9830 and 9880 and remove 9880 I/O card from the rear of the 9830.
2. Remove Infotek MMII or HP 11273B Mass Memory ROM.
3. Remove any equipment on top of the 9830.
4. Remove the top of the 9830.
5. Locate the M-Register board (#13082) (Refer to the FP-30 instruction manual) in location 5.
6. Viewing the M-Register from the top, locate the selector switch beneath the red extractor handle (right side when viewed from the front).
7. Using a pencil or similar instrument move the selector switch to the right ("16" position).
8. Replace top.
9. Replace equipment on top if applicable.
10. Connect power cord to the 9830.
11. Turn on the 9830.