

FW-Z80

## Installation Guide

This installation guide is intended to help the user install the FW-Z80 on either the Trionyx Z-H8 or the Heath HA8-6.

### Part 1

This section includes instructions for installation of the FW-Z80 on the Trionyx Z-H8 CPU card.

### Part 2

This section includes instructions for installation of the FW-Z80 on the Heath HA8-6 CPU card.

## Part 1

1. If an assembled Trionyx Z-H8 was purchased, the FW-Z80 is already installed in socket U24 on the card. Refer to "Z-H8 Installation Guide" for the next step.
2. If a bare board or kit Z-H8 was purchased, the following steps should be done:
  - a. Verify that the jumpers are correct on the Z-H8 using the "Z-H8 Standard Jumper Selections" guide.
  - b. Install the FW-Z80 EPROM at U24 on the Z-H8 card.
  - c. Refer to "Z-H8 Installation Guide" for the next step.

## Part 2

This section defines changes required for the HA8-6 to operate with the Trionyx FW-Z80 firmware.

1. Remove the HA8-6 CPU card from the H8 system. On the HA8-6 CPU card cut the trace to U13 pin 18. (solder side of board)
2. Connect a jumper from U13 pin 18 to U13 pin 12. (solder side of board)
3. Connect a jumper from the free end of the trace that was cut (U13 pin 18) to U13 pin 2. (solder side of board)
4. Remove jumper between E15 and E17 (component side of board)
5. Install jumper between E24 and E26 (component side of board)

Note: U13 is now configured for a 2732 type EPROM and U19 is configured for a 2716 type EPROM. The 2716 is addressed starting at address 4K.

6. Remove existing PROM from socket U13. This part will no longer be required for system operation. Install the FW-Z80 EPROM in socket U13.
7. Remove the H17 disk controller from the H8 system.
8. Remove the integrated circuit (PROM) located at U14 on the H17 disk controller.
9. Place this integrated circuit (PROM) in socket U19 on the HA8-6 CPU card.
10. Install the H17 controller back into the system.
11. Plug the 5 position connector from the front panel onto the HA8-6. Install the HA8-6 back into the system.
12. Reassemble all support hardware required by the H8 computer.
13. The system is now ready for power.
14. Refer to the Trionyx "FW-Z80 Users Guide" at this point.