

Generating A QuikStor CP/M Boot Partition On An H8 for Use Where the Z67 SASI Card is @ 274Q

The Heath system was developed around the H17 floppy system running at port 174Q. Later, the H37, H47 and H67 devices were added. The Heath version of CP/M only allowed for two disk types present in a system, so we have to choose the two that we want to use.

Norberto Collado's Z67-IDE was developed to supply our Heath's with a better than original Z67 hard disk system. It can support two hard disks. The first hard disk, HD0, can be used as a standard Heath hard disk providing 15 MB of storage in up to 8 partitions (drives – SY0 through SY7:). Or both hard drives can be used for QuikStor CP/M hosting 15 partitions of 8 MB. So his replacement provides 135 MB of HDOS and CP/M or 240 MB of QuikStor CP/M where the Heath Z67 provided 10 MB HD and one 8" floppy disk.

But Norberto did not stop there. He embellished the Z67-IDE to accommodate multiple boots into a number of switch selectable and independent Systems based on the size of the HD:

2 GB will yield 15 systems (0 thru 14)
4 GB will yield 30 systems (0 thru 29)
8 GB will yield 60 systems (0 thru 59)

We have installation instructions for installing both HDOS and QuikStor CP/M for the Heath standard configuration of ports 170Q and 174Q where one port is for the floppy system and the other port gets the Z67 SASI interface card. But, if you want to implement Norberto's latest advance by installing the H8-Z37 at 270Q and Z67 at 274Q, you may need this procedure. In HDOS, all of the drives are accessible with the appropriate driver file. One would need to make two partitions bootable – one for H17 and Z67-IDE and another for H37 and Z67-IDE. As yet, we have not been able to coax CP/M into using the H37 at port 270Q.

On the H8, the hard sectored H17 is standard. We have a 2 GB CF card images available for H17 and Z67-IDE for both HDOS and QuikStor CP/M. Installing these images into your CF cards you will be able to boot the Z67-IDE and have access to the H17 system. If you have a larger card, you can use the Z67-IDE Utilities Menu to replicate an existing system to higher system numbers.

But what if you want to build a new QuikStor CP/M system? CP/M is not aware that the Z67 SASI card could reside at 274Q and the floppy system boot cannot locate the HD to install the OS. So, here's the work-around:

1. Temporarily remove any card that you have that is using port 170Q.
2. Reconfigure the Z67 SASI card for port 170Q.
3. Now boot your H17 system install floppy disk and use the instructions on Norberto's site for H17/Z67-IDE systems.
4. You only need to build one system if you want multiple occurrences of the system since you can use the Z67-IDE (or Z67-IDE+) Utilities Menu to replicate hard disk to the higher systems. When all hard drives for the system are complete, just set the switch to the new system and replicate to higher systems.
5. When the modification/installation is completed, we set the Z67 SASI card back to port 274Q. The systems will boot and have access to the H17 floppy system.