

AccessionIndex: TCD-SCSS-T.20121208.053

Accession Date: 8-Dec-2012

Accession By: Pat Garvey

Object name: Sharp MZ-711 Personal Computer

Vintage: c.1982

Synopsis: Two second-generation Sharp MZ series PCs, Z80-based, with MZ-1F11 Quickdisks and MZ-1E14 Quickdisk Interfaces. MZ-711 PC(1): S/N: 35050716, MZ-711 PC(2): S/N: ????.

Description:

These two second-generation Sharp MZ series PCs were donated by Pat Garvey, MD of Sharptec Ltd.

The Sharp MZ-700 series Personal Computers superseded their MZ-80 series in late 1982. They included the PC and the keyboard together with integrated cassette tape drive and plotter in more expensive MZ-721 and MZ-731 models, whereas they are absent from the basic MZ-711 model.

The MZ-711 was based on a 3.5MHz Zilog Z80A CPU, with 64kB DRAM, 2kB of boot ROM, and 4kB of display VRAM. It did not include language processors like BASIC in ROM, instead depending on external software, of which quite a lot was available. It was not really a games machine as the graphics were poor, essentially limited to 40 x 25 characters (although the 512-character-set included a variety of sprites). Either a TV display could be connected via RF or composite video coaxial cable, or an RGB monitor connected via an RGB video cable, and a switch selected colour (8 foreground and 8 background colours) or monochrome. There was also a 300 baud tone-modulated cassette tape interface, a twin-joystick and a printer interface, and an I/O bus. Usually Microsoft CP/M would be loaded.

The machines in this catalog are unusual in that they include a Sharp Quickdisk Drive MZ-1F11 retrofitted where the tape drive would fit, and a Quickdisk Interface MZ-1E14 plugged into the I/O bus, with a drive cable looped externally. The Quickdisk Drive used a 2.8" double-sided disk drive with a capacity of 40-64kB per side, depending upon how many files were stored (the more files, the lower the capacity). Up to 32 files could be stored on each side, either text, data or binary software. A BASIC interpreter could be loaded in about 8 seconds.

The Sharp MZ family gathered a very considerable following in Japan and Europe, and a very interesting forum [1] exists, including an emulator.

Accession Index	Object and Identification
TCD-SCSS-T.20121208.053.01	Sharp MZ-711 Personal Computer (1). S/N: 35050716
TCD-SCSS-T.20121208.053.02	Sharp MZ-700 I/O Bus Quickdisk Interface MZ-1E14 (1). S/N: 440
TCD-SCSS-T.20121208.053.03	Sharp MZ-700 Quickdisk Drive MZ-1F11 (1). S/N: 4U506207
TCD-SCSS-T.20121208.053.04	Sharp MZ-711 Personal Computer (2). S/N:
TCD-SCSS-T.20121208.053.05	Sharp MZ-700 I/O Bus Quickdisk Interface MZ-1E14 (2). S/N:
TCD-SCSS-T.20121208.053.06	Sharp MZ-700 Quickdisk Drive MZ-1F11 (2). S/N:

References:

1. MZ Forum, see:
<http://www.sharpmz.org/>
2. Disk Interface MZ-1E14, see:
<http://www.sharpmz.org/mz-700/ismz1e14.htm>
Also see the related PDFs in the associated folder in this catalog:
MZ-Quickdisk-Interface-MZ-1E14.pdf
MZ-Quickdisk-Drive-MZ-1F11.pdf
2. Wikipedia, see: https://en.wikipedia.org/wiki/Sharp_MZ



Figure 1: Sharp MZ-711(1) top front view

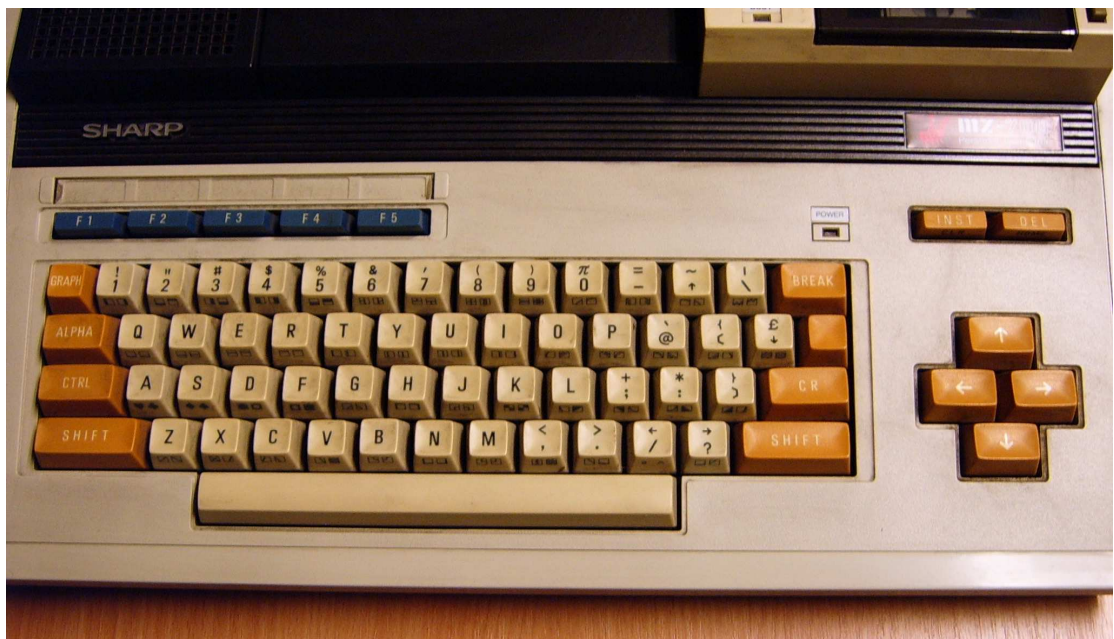


Figure 2: Sharp MZ-711(1) keyboard closeup



Figure 3: Sharp MZ-711(1) left-side keyboard key front markings closeup



Figure 4: Sharp MZ-711(1) right-side keyboard key front markings closeup



Figure 5: Sharp MZ-711(1) INST/CLEAR and DEL/HOME key markings closeup



Figure 6: Sharp MZ-711(1) top rear view

Left-hand rear: see Figure 7 below

Middle-rear: I/O Bus, see Figures 9 & 10 below

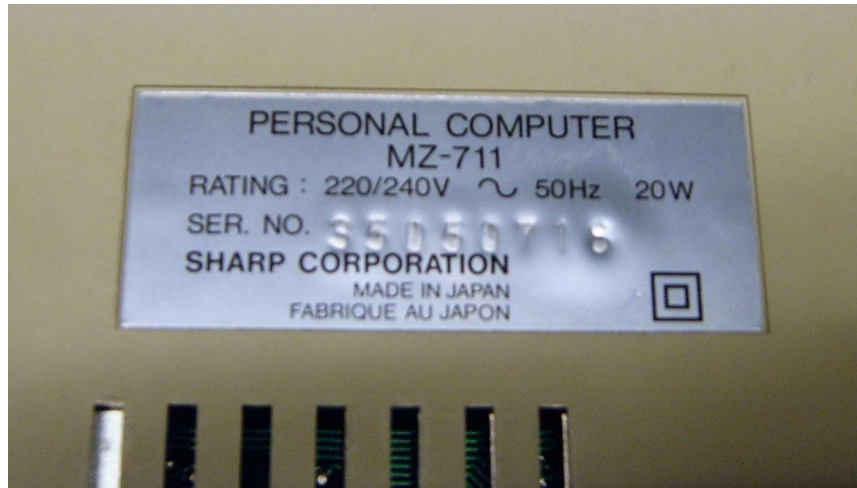
Right-hand rear: printer port, volume control, reset button, AC power



Figure 7: Sharp MZ-711(1) left-hand rear I/O ports

Upper-left: RF & composite video, upper-right: RGB video

Lower-left: Cassette Read & Write, lower-right: Joystick



*Figure 8: Sharp MZ-711(1) manufacturing label
Model: MZ-711, S/N: 35050716*



Figure 9: Sharp MZ-711(1) I/O Bus Quickdisk Interface top view



*Figure 10: Sharp MZ-711(1) I/O Bus Quickdisk Interface bottom view
Model: MZ-1E14, S/N: 440*



*Figure 11: Sharp MZ-711(1) Quickdisk Drive manufacturing label
Model: MZ-1F11, S/N: 4U506207*