



The System One is an 8-slot S-100 bus system which can be used for Z-80A or 68000 system development. The basic System One (Model CS-1) comes with Cromemco's Z-80A processor (ZPU), floppy disk controller (16FDC), and 64K RAM memory (64KZ). The unit has two 5-1/4" floppy disk drives with 780K storage capacity.

The hard disk version of the System One (Model

CS-1H) substitutes a 21 Megabyte Winchester hard disk drive for one of the floppy drives and includes Cromemco's WDI, Winchester Disk Interface.

The CS-1 and CS-1H can also be configured with Cromemco's DPU board in place of the ZPU to allow both Z-80A and 68000 software development.

The System One can take advantage of all the software listed in the software section that follows.

TECHNICAL SPECIFICATIONS

	Z-80A Based Systems		68000 and Z-80A Based Systems			
	CS-1	CS-1H	CS-1D2	CS-1D5E	CS-1HD2	CS-1HD5E
Processor	Z-80A		68000 and Z-80A			
Clock Rate	4 MHz		68000: 8 MHz / Z-80A: 4 MHz			
Instruction Set	158 instructions including the 78 instructions of the 8080A processor		68000: Over 1000 instructions in 56 main types / Z-80A: 158 instructions including the 78 instructions of the 8080A processor			
RAM Memory	64Kb		256Kb	512Kb (ECC)*	256Kb	512K (ECC)*
ROM Firmware	RDOS		RDOS and Diagnostics			
Serial Interface	RS-232 or current loop		RS-232 or current loop			
Processor Control	N/A		Software controlled switching between 68000 and Z-80A			
Floppy Disk Storage	780Kb	390Kb	780Kb	780Kb	390Kb	390K
Hard Disk Storage†	None	21 Mb	None	None	21 Mb	21 Mb
Board Capacity	8 boards		8 boards			
Boards Supplied	ZPU, 64KZ, 16FDC	ZPU, WDI, 64KZ, 16FDC	DPU, 256KZ, 16FDC	DPU, MCU, 512MSU, 16FDC	DPU, 256KZ, WDI, 16FDC	DPU, MCU, 512MSU, WDI, 16FDC
Bus	S-100		S-100			
Power	Operates from 100/115/130/220/240/260 volts; 50/60 cycle		Operates from 100/115/130/220/240/260 volts; 50/60 cycle			
Power Supply	+8 volts @ 30A, +18 volts @ 15A, -18 volts @ 15A		+8 volts @ 30A, +18 volts @ 15A, -18 volts @ 15A			
Dimensions	14.2"W x 7.0"H x 17.8"D		14.2"W x 7.0"H x 17.8"D			
Weight	45 lbs.	51 lbs.	45 lbs.	46 lbs.	51 lbs.	52 lbs.
Mounting	Cabinet; optional rack-mount brackets available		Cabinet; optional rack-mount brackets available			
Operating Environment	0-40 degrees Centigrade		0-40 degrees Centigrade			

*ECC stands for error checking and correction.

†Unformatted.