



Compact Personal Computer...Designed for Any Environment, Always Ready to Run.



Electronic Magnificence. Dynamic Applications from a Ready-to-Run System.



For this fresh, new Personal Computer of tremendous potential, Sharp has combined all its fine electronic technologies which are especially suited to information engineering. It's a real marvel of precision.

The CRT. The keyboard. The cassette-based data storage. All are incorporated in one complete system that leads the operator, either professional or amateur, into an incredible new computer world. Flexible system expansion and varied program applications together guarantee satisfaction both in data management and personal enjoyment.

The MZ-80A. The Personal Computer you've been asking for.

The Versatile Sharp MZ-80A

Versatile Software

The MZ-80A CPU is loaded with a 48K-byte dynamic RAM. It allows direct access to all data. The MZ-80A employs BASIC in the tape mode. PASCAL software system is also available by simply replacing tapes. The MZ-80A can, with its floppy disk system, respond to higher-level software, such as disk BASIC and FDOS (including BASIC compiler).

CRT Display

The CRT provides a 9-inch, high-focus, monochromatic display. It displays 25 lines 40 characters wide. Advanced functions include a scrolling display, rolling, and screen editing.

Keyboard Arrangement

The ASCII standard alphabet (upper- and lower-case) is arranged like a typewriter keyboard. A numeric keypad makes data entry smooth and operation simple.

Other Features:

- The memory for display has a capacity of 2K bytes (equivalent to two screen pages) and allows instantaneous scrolling.
- 2. The built-in clock circuit.
- The built-in sound circuit produces three octaves and enables you to confirm the data input audibly.

Peripheral Equipment

You can make even more use of the MZ-80A by expanding the system. An expansion unit, printer, floppy disk unit, and many other peripherals are available. Expansion is extremely easy. You can add peripherals one by one as you need them to increase capacity.

Expansion Unit (MZ-80AEU)

The MZ-80AEU connects the CPU with the terminals of other equipment. It allows connection with up to four peripherals.

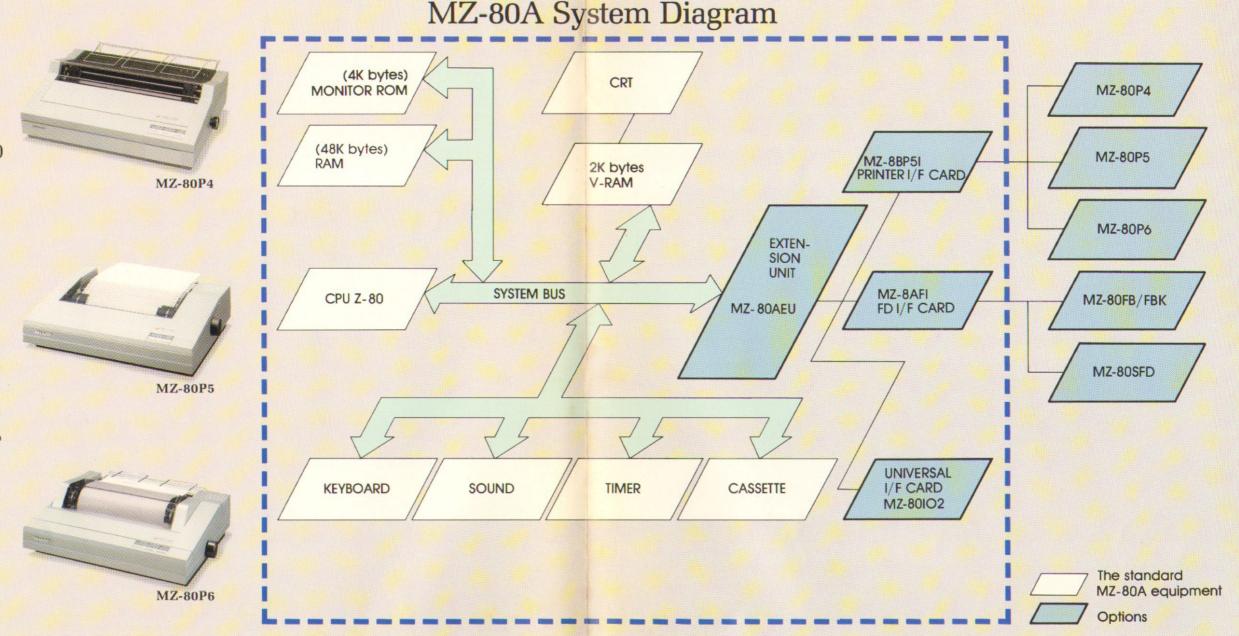
Character/Graphic Printer (MZ-80P4/80P5/80P6)

The MZ-80P5 prints 80 standardsize characters per second, using fanfold paper ten inches or less in width. Its tractor feed system prevents paper slide and provides clear printouts of letters, numbers, and graphics.

Floppy Disk Unit (MZ-80FB)

The MZ-80FB uses a 5.25-inch, dual-sided, flexible diskette. Due to its double-head, double-density, and two-drive function, its 560K-byte memory allows high-speed access to a large amount of data.



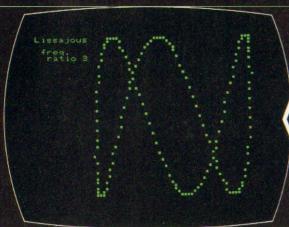


Versatile Applications, from Business to Home Use

You can go a step further and program your own software by learning various computer languages.

[These are a few examples of possible applications.]

- · Marketing analysis
- Invoicing
- Costing
- Stock management
- · Sales/purchase ledger
- Payroll calculations



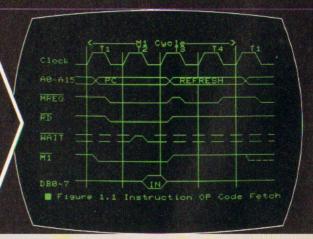


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- Mathematics, physics, chemistry
- Advanced scientific calculations
- Languages
- Computer linguistics

cience/Industry

- Data analysis
- Data transmission
- Estimation
- Simulation
- Electrical-device control





Hobbies/Home L

- Games
- Music reproduction
- · Home budget management
- Name/address/telephone lists

SPECIFICATIONS MZ-80A

CPU	Z-80	
Memory	4K-byte ROM; 48K-byte RAM (optional expansion inside the board, up to 48K bytes).	
Display	9-inch (23-cm), monochromatic CRT; 8 × 8 dot matrix; 40 characters × 25 lines	
Cassette	Manual control; standard audio cassette tape. Data transfer (Sharp PWM system): 1,200 bits/sec.	
Sound Output	Max. 400mW (440 Hz)	
Keys	ASCII keyboard; upper-/lower-case alpha bet; graphic symbols; numeric keypad.	
Editing	Cursor control (up, down, left, right, home, clear); insertion and deletion keys	

Power Source	AC 220V 50Hz, 240V 50Hz		
Power Consumption	36W		
Temperature	Operating: 0°—35°C Storage: -15°—60°C		
Humidity	80% or less		
Weight	Approx. 10 kg		
Dimensions	Width: 440 mm		
	Depth: 480 mm		
	Height: 260 mm		
Other Functions	Built-in clock and music		

OPTIONAL PRINTERS

printer	MZ-80P4	MZ-80P5	MZ-80P6		
Printing Method	Serial impact dot matrix				
Feed Method	Variable sprocket; Friction	Variable sprocket	Variable sprocket; Friction		
Kinds of characters	230				
Character Make-up	9(W) × 8(H) dot matrix (normal-size characters)				
Number of Digits	136/68 per line 160/80 per line	80/40 per line 136/68 per line			
Printing Speed	150 cps (normal- size characters)	80 cps (normal-size characters)			
Head Sweep Direction	Bi-directional; Logical seeking	Character: Bi-directional Bit image: Uni-directional (rightward)			
Recording Paper	Fanfold: 5'—15' Sheet: 5'—15'	Fanfold (4-10" wide)	Fanfold (4-10" wide) Sheet (8.3-8.5" wide		
Power Source	Local voltage				
Power Consumption	80 W	75W			
Temperature	Operating: 5°-35°C Storage: 0°-50°C	Operating: 5°-35°C Storage: -20°C-50°C			
Dimensions (W × D × H)	Approx. 530 × 464 × 178 mm	Approx. 377 × 352 × 105 mm			
Weight	Approx. 15kg	Approx. 7.2 kg			
Other Functions	Software-controlled full graphic function Programmable number of lines per page Battery-operated memory of HOME position (MZ-80P4 only)				

Minimum Peripherals for Printer System

Main Unit	Printer	ROM	Cable	I/F Card
MZ-80A	MZ-80P4	MZ-8AP4R	MZ-8BP4C	418-11
	MZ-80P5	MZ-8AP5R	MZ-8BP5C	MZ-8BP5i
	MZ-80P6			

Floppy Disk Unit (MZ-80FB)

Two drives per unit; 5.25° dual-sided, double-density; 70 tracks; soft-sectored; 16 sectors per track.

Memory Capacity
Power Consumption Operating Temperature Humidity

280K bytes per diskette. 40W (AC 220V, 50 Hz) or 45W (AC 240V, 50 Hz)

Dimensions Weight Accessories

Options

4°C-25°C 20%-80% 200 (H) × 205 (W) × 320 (D) mm 7.9 kg

A power cord, a braid wire, and an instruction manual Cable for MZ-80FB Cable for MZ-80FBK I/O card for floppy disk

Cassette-based BASIC

Command	LOAD, SAVE, VERIFY, AUTO, LIST, LIST/P, RUN, CONT, NEW, MON
Statement	LET, GOTO, GOSUB, RETURN, ONGOTO, ONGOSUB, IFTHEN, IFGOTO, IFGOSUB, FORTOSTEPNEXT, READDATA, RESTORE, MUSIC, TEMPO, DEF FN, SET, RESET, WOPEN (T), ROPEN (T), CLOSE (T), INPUT, INPUT/T, GET, PRINT, PRINT/T, PRINT/P, TAB, DIM, STOP, END, REM, INP, OUT, LIMIT, PEEK, POKE, USR, CLR, COPY/P, PAGE/P, SIZE, CSRH, CSRV
Operation	+, -, *, /, ^ =, >, <, <>, =>, =<
Function	SIN (X), COS (X), TAN (X), ATN (X), EXP (X), INT (X), LOG (X), LN (X), ABS (X), SGN (X), SQR (X), RND (X)
String	LEFT\$, RIGHT\$, MID\$, CHR\$, STR\$, ASC, VAL, LEN, TI\$, STRING\$, CHARACTER\$, SPACE\$
Format	TAB, CURSOR

Design and specifications subject to change without notice.

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