

Introducing Japan's Most Advanced Small-Business/Personal Computer.

—Ai Business micro Computer— **ABC Series Model 20**



Z-80A based, the ABC-20 features as standard 32, or up to 64Kb RAM, 4Kb ROM, 2 double-sided, single-density mini floppy disk drives, real time clock and floating point arithmetic hardware. Plus 58-key keyboard and 9-inch CRT display.

Fully supported by Ai's exclusive, super-efficient DOSKET floppy disk operating system, the ABC-20 comes with many software packages — BASIC, FORTRAN IV, COBOL, LIBRARY, UTILITY and DIAGNOSTIC. CP/M and all related softwares are also applicable.

Built-in I/O ports permit combination with high-speed printer, line printer, hard disk, Winchester disk,

external floppy disk, tape reader/punch and numerous other peripherals.

Try out the ABC-20 — an extremely powerful efficiency booster in business, scientific and control applications.

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ABC Series Hardware Specifications

(ABC-21, 22, 23) To be introduced in the third quarter of this year.

Item		Model name		ABC-10	ABC-20	ABC-21	ABC-22	ABC-23
CPU(processor)				○ Z80A	○ Z80A	○ Z80A	○ Z80A	○ Z80A
Main memory	RAM			○ 32KB ○ 64KB	○ 32KB ○ 64KB	○ 32KB ○ 64KB	○ 32KB ○ 64KB	○ 32KB ○ 64KB
	ROM (loader monitor)			○ 4KB	○ 4KB	○ 4KB	○ 4KB	○ 4KB
APU(floating hardware)				○	○	○	○	○
Auxiliary memory	Digital cassette tape memory			○ 1 (256KB)				
	Double sided, single density mini-floppy disk				○ 2 (322KB)			
	Double sided, double density mini-floppy disk					○ 2 (609KB)	○ 2 (609KB)	○ 2 (609KB)
System console	CRT 12"			○				
	CRT 9"				○	○	○	○
	KB ASCII 58 Key			○	○			
	KB ASCII 90 Key					○		
	KB JIS 90 Key						○	
	KB APL 90 Key							○
I/O control	Real time clock			○	○	○	○	○
	DMA			○	○	○	○	○
	Interrupt			○	○	○	○	○
	SIO (RS232C, current, TTL)			○ 2-channel	○ 2-channel	○ 2-channel	○ 2-channel	○ 2-channel
	PIO(TTL)			○ 8bits x 2 ports	○ 8bits x 2 ports	○ 8bits x 2 ports	○ 8bits x 2 ports	○ 8bits x 2 ports
	GPIB(TTL)			○ T,L,C	○ T,L,C	○ T,L,C	○ T,L,C	○ T,L,C
Optional	RAM 32KB (can be added)			●	●	●	●	●
	Digital cassette tape memory (up to 3 can be externally installed)			●				
	Mini-floppy disk (can be added) (up to 2 can be externally installed)				●	●	●	●
	Light pen			●	●	●	●	●
	Color display			●	●	●	●	●
	Printer			●	●	●	●	●
	Graphic printer			●	●	●	●	●
	XY plotter			●	●	●	●	●
	CRT/KB			●	●	●	●	●
	Mark card reader			●	●	●	●	●
	Others			●	●	●	●	●
Others	Dimensions			480(W) x 542(D) x 330(H) 18.9"(W) x 21.3"(D) x 13"(H)				
	Weight			27.5Kg(60.5lbs) 26Kg(57.2lbs)				
	Installing conditions			AC100/115/230V±10% 47~63Hz(120VA TYP, 200VA MAX)				
	Temperature (in operation)			5°C~40°C (41°F~104°F)				
	(when stored)			-15°C~60°C (4°F~141°F)				
Humidity				20~80%				

Note: ○ Supplied as standard, however, two different versions, 32KB and 64KB, are available with regard to RAM capacity.

● Optional

Printed in Japan.