

Announcing.....

ABC-24 with Performance, Quality, and Future.

ABC-20 Series



Model ABC-24

Hardware Features:

- * Z80A CPU (4 MHz)
- * 64K RAM (standard), and Separate 3KB for CRT
- * Hardware floating point Arithmetic Logic
- * Real-time clocks; Interval timer
- * Two RS-232-C serial ports, with SDLC/HDLC capabilities
- * CCITT V.24 standard, including ASYN, BSYN, etc.
- * Twin-channel parallel port with DMA access
- * IEEE-GP interface bus to IEEE 488
- * Full complement of peripherals including Winchester-type disks, cartridge disks, external floppy disks, etc.

Software Features:

- * Operating Systems:
 - Industry standard CP/M and MP/M
 - Powerful Ai-own DOSKET
 - UCSD PASCAL™
- * Languages:
 - BASIC-80 and MBASIC
 - COBOL-80 and PL/3
 - FORTRAN IV, CBASIC, MACRO ASM
 - XASM-Z8000, XLOADER-Z8000, XMACRO-86
 - etc.

Other models available:



- 9-inch screen Double-sided, single density (ABC-20)
Double-sided, double density (ABC-21)
- 12-inch screen Double-sided, double density (ABC-25)
For details, refer to reverse side.

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AGENT:

ABC-20 Series Hardware Specifications

ITEM	MODEL		ABC-20	ABC-21	ABC-24	ABC-25	ABC-26
CPU (Processor) Z80A	CPU (Processor) Z80A		○	○	○	○	○
	Main memory	RAM	○	○	○	○	○
		ROM (Monitor/loader)	○	○(Separable)	○	○	○
		RAM (For CRT)	○	○(Separable)	○	○	○
		MEM (Extension memory)		●(Max. 1MB)	●	●	●
APU (Floating point hardware)			○	○	○	○	
Auxiliary memory	Double sided double density 5.25 floppy disk		○(322KB)				
	Double sided double density 5.25 floppy disk			○(640KB)	○(640KB)		
	Double sided double density 5.25 floppy disk					○(732KB)	
	Double sided double density 8 floppy disk						○(2.3MB)
System console	CRT 9"		○(80×32)	○(80×24)			
	CRT 12"				○(80×24)	○(80×24)	○(80×24)
	KBD ASC II		○(90Keys)	○(101Keys)	○(101Keys)	○(101Keys)	○(101Keys)
	KBD EURO			●(101Keys)	●(101Keys)	●(101Keys)	●(101Keys)
	KBD JIS		●(90Keys)	●(101Keys)	●(101Keys)	●(101Keys)	●(101Keys)
	KBD XXX			●(101Keys)	●(101Keys)	●(101Keys)	●(101Keys)
I/O control	Real time clock		○	○	○	○	○
	Interrupt		○	○	○	○	○
	DMA		○	○	○	○	○
	SIO1	RS-232-C, Current loop TTL, ASYN	○	○	○	○	○
		ASYN, BSYN S DLC, HDLC		○(With secondary channel)	○(With secondary channel)	○(With secondary channel)	○(With secondary channel)
	PIO (TTL 8Bit x2)	Standard PIO		○	○	○	○
		FLA		●	●	●	●
		PRA		●	●	●	●
		ACA		●	●	●	●
	GP/IB T.L.C/TTL		○	○	○	○	○
Optional	WDU (Winchester disk unit)		●	●	●	●	●
	WTU (Winchester disk Cartridge MT unit)		●	●	●	●	●
	FDU Floppy disk unit		●(FDU-S)	●(FDU-SDY)	●(FDU-SDY)	●(FDU-SDB)	●(FDU-8D)
	DCU Digital cassette MT unit			●	●	●	●
	CDU Cartridge disk unit			●	●	●	●
	MTU Magnetic tape unit			●	●	●	●
	Light pen (For CRT)		●	●	●	●	●
	Color graphic display		●	●	●	●	●
	Miscellaneous printers		●	●	●	●	●
	X-Y Plotter		●	●	●	●	●
	CRT/KB Terminal		●	●	●	●	●
	Mark card reader		●	●	●	●	●
EAX Extension unit		●	●	●	●	●	
Others	Size (mm)	Width	480	480	537	480	595
		Depth	542	562	562	562	655
		Height	330	330	330	330	355
	Weight (kg)	26	29	30	29	41	
	Environment		AC100/115/230V ±14% 80, 60Hz (170VA Typ. 250VA Max.)				
	Temperature (°C)	Running	5-43				
	Storage	-10-45					
Humidity (%)		20-80					

ABC-20 Series Software Specifications

(The DOSKET, CP/M and MP/M, and PASCAL operating system softwares can be run with all ABC-20 Series models.)

ITEM	MODEL		ABC-20	ABC-21	ABC-25	ABC-26
DOSKET	DOSKET		○ ^{1.0}	○ ^{2.0}	○ ^{2.0}	○ ^{2.0}
	FORTRAN IV		○	○	○	○
	BASIC-2 Interpreter/Compiler		○	○	○	○
	COBOL		●	●	●	●
	Library		○	○	○	○
	Utility		○	○	○	○
	ASMB, Z80ASM		○	○	○	○
	EDIT, LINK, DEB		○	○	○	○
	Diagnostic		○	○	○	○
	Word Processor		●	●	●	●
	PEX/D.C (File exchange program)		●	●	●	●
	IBM Format data exchange program					●
	ASL (Application subroutine library)		●	●	●	●
	XASIN Z8000, XLOADER Z8000		●	●	●	●
	BASIC-2-GP-IB		●	●	●	●
PL/3			●	●	●	
Data communication 1=ASYN, BSYN, 2=SDLC, HDLC		● ^{1.}	● ^{1.2}	● ^{1.2}	● ^{1.2}	
CP/M™	CP/M™		○	○	○	○
	MP/M™		○	○	○	○
	UCSD PASCAL™		○	○	○	○
	Z80, 8080 ASM		○	○	○	○
	MAC, MACRO-80		●	●	●	●
	BASIC-80, BASIC Compiler, CBASIC		●	●	●	●
	FORTRAN-80		●	●	●	●
	COBOL-80 PASCAL/M		●	●	●	●
	Utility		●	●	●	●
	DDT, SID, ED, EDIT-80		●	●	●	●
	TEX, LINK		●	●	●	●
	DESPOOL		●	●	●	●
	Application Programs		●	●	●	●
	WORDSTAR, LETTERRIGHT		●	●	●	●
	NAD, WHATSIT, DATA STAR		●	●	●	●
QSORT, SUPERSORT		●	●	●	●	
Inventory, Payroll		●	●	●	●	
GL, AR, AP		●	●	●	●	
XMACR-86		●	●	●	●	

Note: ○ Means standard, supplied in DISKETTE.
● Means option, supplied in DISKETTE.