Small Business Computer Specifications Addendum

The following pages provide information on 34 additional small business computer systems from 17 vendors. Listed below are the full names, addresses, and telephone numbers of the 17 vendors whose systems are listed in the comparison columns that follow.

BMC Computer Corporation, 860 E. Walnut Avenue, Carson, CA 90746. Telephone (213) 323-2600.

Burroughs Corporation, Burroughs Place, Detroit, MI 48232. Telephone (313) 972-7000.

CIE Systems, Inc., 2515 McCade Way, P.O. Box 16579, Irvine, CA 92713-6579. Telephone (714) 957-1112.

Computhink, 965 West Maude Avenue, Sunnyvale, CA 94086. Telephone (408) 245-4033.

Hewlett-Packard, Computer Systems Division, 19447 Pruneridge Avenue, Cupertino, CA 95014. Telephone (408) 725-8111.

IBM, Information Systems Division, 4111 Northside Parkway, Atlanta, GA 30327. Telephone (404) 238-2000.

MAI/Basic Four, Information Systems Division, 14101 Myford Road, Tustin, CA 92680. Telephone (714) 731-5100.

Muliti-Tech Systems, Inc., 82 Second Avenue S.E., New Brighton, MN 55112. Telephone (612) 631-3550.

Northern Telecom, Inc., Data Park, P.O. Box 1222, Minneapolis, MN 55440. Telephone (612) 932-8016.

Plessey Peripheral Systems, 17466 Daimler Avenue, Irvine, CA 92714. Telephone (714) 557-9811.

Radio Shack, a Tandy Corporation, 1800 One Tandy Center, Fort Worth, TX 76102. Telephone (817) 390-3300.

R2E of America, 2545 West County Road C, St. Paul, MN 55113. Telephone (612) 638-5900.

SD Systems, Inc., P.O. Box 28810, Dallas, TX 75228. Telephone (214) 340-0303.

Systems Group, a division of Measurement Systems & Controls, Inc., 1601 Orangewood Avenue, Orange, CA 92668. Telephone (714) 633-4460.

Tarbell Electronics, 950 Dovlen Place, Suite B, Carson, CA 90746. Telephone (213) 538-4251.

Zendex Corporation, 6680 Sierra Lane, Dublin, CA 94566. Telephone (415) 829-1284.

Zilog, Inc., 10460 Bubb Road, Cupertino, CA 95014. Telephone (408) 446-4666.□

Small Business Computer Specifications Addendum

MANUFACTURER AND MODEL	BMC if800 Model 20B	BMC if800 Model 20C	BMC if800 Model 20E	Burroughs B20	CIE Systems 680/10
WORD LENGTH, BITS	8	8	8	16	32/16
CPU					
Model	Zilog Z80-A	Zilog Z80-A	Zilog Z80-A	Intel 8086, 8088	Mot. M68000
Add time, microseconds	—	—	—	—	—
No. of I/O ports on basic sys. and max.	8, 256	8, 256	8, 256	—	3, 6
INTERNAL STORAGE					
Type	MOS	MOS	MOS	MOS	MOS RAM
Capacity of basic system, bytes	64K	128K	128K	128K	128K
Maximum capacity, bytes	320K	320K	320K	512K (B21), 640K*	256K
Increment size, bytes	64K	64K	64K	—	128K
Cycle/access time, microseconds	—	—	—	—	200 nano.
MASS STORAGE					
Floppy disk (diskette) drive	Std.; 800K bytes	Std.; 800K bytes	Std.; 800K bytes	Std.; 500K bytes	320K bytes
Maximum diskette storage	6.4MB	6.4M bytes	6M bytes	1M bytes	1.2M bytes
Cartridge disk drive	Optional	Optional	Optional	—	No
Pack disk drive	Optional	Optional	Optional	—	No
Fixed-head disk/drum	Optional	Optional	Std.; 10M bytes	6.2M-60M bytes	10MB Winch.
Maximum disk storage	10.8M bytes	10.8M bytes	10.4M bytes	11MB (B21), 60MB*	40M bytes
WORKSTATIONS					
Maximum number connectable	256	256	256	16	1
Recommended maximum number	8	8	8	1-16	1
Keyboard style	Type, num. key.	Type., num. key.	Type., num. key.	98-key, detachable	Type., num. key.
Workstation printer	Standard	Standard	Standard	Optional	Optional
INPUT/OUTPUT DEVICES					
Serial printer	Std.; 80 cps	Std.; 80 cps	Std.; 80 cps	Opt.; 35 cps	Optional; 40-120 cps
Line printer	Optional	Optional	Optional	Opt.; 300 lpm	—
Reel-to-reel tape drive	Optional	Optional	Optional	No	No
Cassette/cartridge tape drive	Optional	Optional	Optional	No	No
CRT	Std.; 1920 char.	Std.; 1920 char.	Std.; 1920 char.	Std.; see COMMENTS	Std.; 1920 char.
Other	—	—	—	—	—
COMMUNICATIONS					
Maximum no. of lines	64	64	64	—	4
Synchronous	Std.; to 9600 bps	Std.; to 9600 bps	Std.; to 9600 bps	—	—
Asynchronous	Standard	Standard	Standard	Standard	Std.; 50-19.2K bps
Protocols supported	Bisync,	Bisync	Bisync	2780/3780	—
Network architecture supported	No	No	No	X.25	No
RJE terminals emulated	No	No	No	2780/3780	No
IBM 3270 emulation	Yes	Yes	Yes	Yes	No
SOFTWARE SUPPORT					
Cobol	Yes	Yes	Yes	Yes	No
RPG	No	No	No	No	Yes
Fortran	Yes	Yes	Yes	Yes	No
Basic	Yes	Yes	Yes	Yes	Yes
Assembler	Yes	Yes	Yes	No	No
Other programming languages	Algol-60, Pascal	Algol-60, Pascal	Algol-60, Pascal	Pascal	—
Multiprogramming	No	No	No	Yes	Yes
Max. no. of jobs run concurrently	1	1	1	—	—
Language complemented in firmware	No	No	No	—	No
Op. sys. implemented in firmware	No	No	No	—	No
General accounting packages	Yes	Yes	Yes	Yes	Yes
Industry application areas	Med., Legal, scient.	Bus., CPA, WP	Retail, inventory	WP	—
Data base management system	Yes	Yes	Yes	No	No
File access methods supported	Yes	Yes	Yes	ISAM	ISAM
Software separately priced	Yes	No	No	Yes	Yes
Technical help separately priced	No	No	No	—	Yes
LEASE/MAINTENANCE OPTIONS					
Lease plans available	Yes	Yes	Yes	Yes	—
Maintenance plans available	Yes	Yes	Yes	Yes	Yes
PRICING & AVAILABILITY					
Purchase price of basic system, $	6,995	7,995	10,995	4,095 (B21-1)**	$5,500
Monthly rental of basic system, $	—	—	—	—	—
Monthly maint. price of basic system, $	100	100	100	Contact vendor	—
Monthly maint. bundled with rental, $	—	—	—	—	—
Purchase price of:					
additional memory module, $	550 (64KB)	550 (64KB)	550 (64KB)	Contact vendor	Contact vendor
additional workstations, $	—	—	—	Contact vendor	—
additional printer, $	—	—	—	Contact vendor	Contact vendor
Discounts available	Yes	Yes	Yes	—	—
Date of first U.S. delivery	June 1981	June 1981	June 1981	May 1982	April 1982
Number installed to date	100	25	25	NOT AVAILABLE	NOT AVAILABLE
COMMENTS				*B22; the B21 display features 80 characters x 28 lines, the B22 features 132 char. x 34 lines; $7,495 for B22 Level II with 256KB RAM	Includes 32-segment Memory Management Unit; entry-level business system

Small Business Computer Specifications Addendum

MANUFACTURER AND MODEL	CIE Systems 680/20	CIE Systems 680/40	Computhink Hawk 32	Hewlett-Packard HP 250	IBM Series/1 4954
WORD LENGTH, BITS	32/16	32/16	16	16	8-bit byte/ 16-bit word
CPU					
Model	Mot. M68000	Mot. M68000	Mot. M68000	Mod. 20,30,35,40,50	IBM Model 4954
Add time, microseconds	—	—	—	1000 (12 digits)	—
No. of I/O ports on basic sys. and max.	3, 6	12	16	5, 10	3, 13
INTERNAL STORAGE					
Type	MOS RAM	MOS RAM	—	MOS	MOS RAM
Capacity of basic system, bytes	256K	256K	256K	256K	64K
Maximum capacity, bytes	512K	768K	1M	576K	256K
Increment size, bytes	256K	256K	256K	64K, 128K, 256K	64K
Cycle/access time, microseconds	200 nano.	200 nano.	0.667	0.833	1.4
MASS STORAGE					
Floppy disk (diskette) drive	320K bytes	320K bytes	Opt.; 800K bytes	1.2M bytes	Opt.; 1.2M bytes
Maximum diskette storage	1.2M bytes	640K bytes	1.5M bytes	3.6M bytes	2.4M bytes
Cartridge disk drive	No	—	Opt.; 20/40MB	Opt.; 20M bytes	See Comments
Pack disk drive	No	—	No	No	No
Fixed-head disk/drum	10MB Winch.	20MB Winch.	No	No	Optional
Maximum disk storage	40M bytes	160M bytes	198M bytes	256M bytes	—
WORKSTATIONS					
Maximum number connectable	4	16	16	10	—
Recommended maximum number	1-4	1-16	16	5-8	—
Keyboard style	Type., num. key.	Type., num. key.	Type., num. key.	Type., num. key.	Type., num. key.
Workstation printer	Optional	Optional	Optional	Optional (2)	No
INPUT/OUTPUT DEVICES					
Serial printer	Opt.; 40-120 cps	—	Opt.; 200 cps	Opt.; 40-180 cps	Opt.; 40-160 cps
Line printer	—	Opt.; 300-600 lpm	Opt.; 180-650 lpm	Opt.; 400 lpm	Opt.; 80-414 lpm
Reel-to-reel tape drive	No	No	No	No	Opt.; to 12,000 bps
Cassette/cartridge tape drive	No	Std.; 20 ips, 20 MB	No	Opt.; 28, 67MB	No
CRT	Std.; 1920 char.	Std.; 1920 char.	Opt.; 1920 char.	Opt.; 1920 char.	Optional
Other	—	—	—	No	—
COMMUNICATIONS					
Maximum no. of lines	4	32	16	5	8
Synchronous	—	—	Standard	Opt.; (1) 19.2K bps	Opt.; to 56,000 bps
Asynchronous	Std.; 50-19.2K bps	Std.; 50-19.2K bps	Standard	Opt.; (10) 9600 bps	Opt.; to 9600 bps
Protocols supported	—	—	Bisync, Sync, RS-232	2780/3780	Bisync, Async
Network architecture supported	No	No	—	—	System/370
RJE terminals emulated	No	No	—	2780/3780	3780, HASP
IBM 3270 emulation	No	No	No	No	Yes
SOFTWARE SUPPORT					
Cobol	Yes	Yes	Yes	No	Yes
RPG	No	No	No	No	No
Fortran	Yes	Yes	Yes	No	Fortran IV
Basic	Yes	Yes	Yes	Yes	No
Assembler	No	No	Yes	No	Macro assembler
Other programming languages	C, Pascal	C, Pascal	DOS, Forth	—	PL/1
Multiprogramming	Yes	Yes	Yes	Yes	Yes
Max. no. of jobs run concurrently	—	—	Varies	6	—
Language complemented in firmware	No	No	No	No	No
Op. sys. implemented in firmware	No	No	No	No	No
General accounting packages	Yes	Yes	Yes	Yes	Yes
Industry application areas	—	—	Science & business	Manuf., distrib.	General purpose
Data base management system	No	No	Yes	Yes	No
File access methods supported	ISAM	ISAM	Random, seq.	Dir.chain.,seq.,CAL	Index
Software separately priced	Yes	Yes	Yes	Yes (applic. only)	Yes
Technical help separately priced	Yes	Yes	Partly	Yes	Yes
LEASE/MAINTENANCE OPTIONS					
Lease plans available	—	—	No	1 to 5 years	Purchase only
Maintenance plans available	Yes	Yes	Yes	On-site, on-call	On-site contract
PRICING & AVAILABILITY					
Purchase price of basic system, $	6,000	12,000	7,250	18,250	8,810
Monthly rental of basic system, $	—	—	—	—	—
Monthly maint. price of basic system, $	—	—	NOT AVAILABLE	173	41
Monthly maint. bundled with rental, $	—	—	—	—	—
Purchase price of:					
additional memory module, $	Contact vendor	Contact vendor	8,000 (128KB)	1,000 (64KB)*	1,095 (64KB)
additional workstations, $	—	—	1,200	2,500	—
additional printer, $	Cotact vendor	Contact vendor	Varies	11,500 (400 lpm)	—
Discounts available	—	—	Up to 42 percent	OEM and volume	Contact vendor
Date of first U.S. delivery	April 1982	April 1982	April 1982	September 1978	March 1982
Number installed to date	NOT AVAILABLE	NOT AVAILABLE	4	NOT AVAILABLE	NOT AVAILABLE
COMMENTS	Includes 32-segment Memory Mangement Unit; UNIX III System operating system	See 680/20 COMMENTS		Software assigns portion of RAM as registers; operating system is resident in RAM: *$1,500 for 128KB and $2,500 for 256KB	

Small Business Computer Specifications Addendum

MANUFACTURER AND MODEL	MAI/Basic Four System 310	MAI/Basic Four System 710	MAI/Basic Four System 810	Multi-Tech Systems MT500 Series	Northern Telecom 503
WORD LENGTH, BITS	8-bit byte	8-bit byte	16	8	8
CPU					
Model	BFLSD	BFLSD	BFLSD	Zilog Z80A	NTI-503
Add time, microseconds	3	3	3	—	1.17
No. of I/O ports on basic sys. and max.	15	31	64	1, 3	4
INTERNAL STORAGE					
Type	MOS	MOS	Bit slice	MOS RAM	MOS
Capacity of basic system, bytes	96K	96K	1.5M	64K	64K
Maximum capacity, bytes	256K	512K	1.5M	64K	256K
Increment size, bytes	32K	32K	NOT AVAILABLE	—	64K
Cycle/access time, microseconds	0.6	0.6	0.6	—	0.85K
MASS STORAGE					
Floppy disk (diskette) drive	—	—	—	Std., 300K bytes	Std.; (2) 1.6M bytes
Maximum diskette storage	—	—	—	1.8M bytes	3.2M bytes
Cartridge disk drive	—	—	—	—	No
Pack disk drive	—	Std.; 35-75M bytes	Opt.; 75-144MB	—	No
Fixed-head disk/drum	Std.; 40M bytes	—	Opt.; 62-144MB	Opt.; 5.9 bytes	No
Maximum disk storage	120M bytes	600M bytes	600M bytes	7.7M bytes	—
WORKSTATIONS					
Maximum number connectable	14	15	32	—	1
Recommended maximum number	14	15	32	—	1
Keyboard style	Type., num. key.	Type., num. key.	Type., num. key.	Type., num. key.	Type., num. key.
Workstation printer	Std.; 80 cps	Std.; 120 cps	Std.; 120 cps	Optional	No
INPUT/OUTPUT DEVICES					
Serial printer	Std.; 80 cps (16)	Std.; 120 cps (32)	Std.; 120 cps (64)	Optional	Opt.; to 180 cps
Line printer	Optional (2)	Optional (2)	Optional (2)	No	No
Reel-to-reel tape drive	Opt.; 1600 bpi	Opt.; 1600 bpi	Opt.; 1600 bpi	No	No
Cassette/cartridge tape drive	Std.; 9.2M bytes	Opt.; 9.2M bytes	NOT AVAILABLE	No	No
CRT	Standard (1)	Standard	Standard	Std.; 1920 char.	Std.; 1920 char.
Other	—	—	—	—	—
COMMUNICATIONS					
Maximum no. of lines	16	32	32	1	2
Synchronous	Opt.; 9600 bps	Opt.; 9600 bps	Std.; 9600 bps	Opt.; 300-2400 bps	Opt.; to 9600 bps
Asynchronous	Std.; 9600 bps	Std.; 9600 bps	Std.; 9600 bps	—	Std.; to 9600 bps
Protocols supported	2780/3780	2780/3780	2780/3780	—	Async, Bisync, SDLC
Network architecture supported	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	—	OMNILINK
RJE terminals emulated	2780/3780	2780/3780	2780/3780	—	2770, 2780, 3780*
IBM 3270 emulation	Yes	Yes	Yes	—	Yes
SOFTWARE SUPPORT					
Cobol	No	No	No	Yes	Yes
RPG	No	No	No	No	No
Fortran	No	No	No	Yes	No
Basic	Yes	Yes	Yes	Yes	Yes
Assembler	No	No	No	No	No
Other programming languages	—	—	Pascal	—	TAL 2000
Multiprogramming	Yes	Yes	Yes	—	Yes
Max. no. of jobs run concurrently	20	36	80	—	2
Language complemented in firmware	Yes	Yes	Yes	No	No
Op. sys. implemented in firmware	No	No	No	No	No
General accounting packages	Yes	Yes	Yes	Yes	Yes
Industry application areas	See COMMENTS	See COMMENTS	See COMMENTS	WP	Business, various
Data base management system	No	No	No	No	No
File access methods supported	Seg., indexed, ser., dir	Seq., indexed, ser., dir	Seq., indexed, direct	Direct	Seq., rand., indexed
Software separately priced	Yes	Yes	Yes	—	Yes
Technical help separately priced	Yes	Yes	Yes	—	No
LEASE/MAINTENANCE OPTIONS					
Lease plans available	Contact vendor	Contact vendor	Contact vendor		1-3 years
Maintenance plans available	Contact vendor	Contact vendor	Contact vendor		On-call
PRICING & AVAILABILITY					
Purchase price of basic system, $	54,625	69,100	Contact vendor	Contact vendor	6,490
Monthly rental of basic system, $	Contact vendor	Contact vendor	Contact vendor	—	235
Monthly maint. price of basic system, $	504	594	Contact vendor	Contact vendor	72
Monthly maint. bundled with rental, $	Contact vendor	Contact vendor	Contact vendor	—	—
Purchase price of:					
additional memory module, $	2,000 (32KB)	2,000 (32KB)	NOT AVAILABLE	—	NOT AVAILABLE
additional workstations, $	2,650	2,650	2,650	Contact vendor	NOT AVAILABLE
additional printer, $	8,300 (150 lpm)	8,300 (150 lpm)	8,300 (150 lpm)	Contact vendor	NOT AVAILABLE
Discounts available	NOT AVAILABLE	NOT AVAILBLE	NOT AVAILABLE	—	Quantity
Date of first U.S. delivery	1982	1982	1982	1982	October 1981
Number installed to date	14,500 (all models)	14,500 (all models)	14,500 (all models)	NOT AVAILABLE	NOT AVAILABLE
COMMENTS	For property management, law office management, job cost analysis, and membership management	See System 310 COMMENTS	See System 310 COMMENTS		*3774

Small Business Computer Specifications Addendum

MANUFACTURER AND MODEL	Northern Telecom 585	Plessey SBC 261	Plessey SBC 280	Radio Shack TRS-80 Model 16	R2E of America XP/1
WORD LENGTH, BITS	8	16	16	16	8
CPU					
Model	NTI-585	DEC LSI-11/23	DEC LSI-11/23	M68000, Zilog Z80A	Zilog Z80A
Add time, microseconds	1.17	—	—		—
No. of I/O ports on basic sys. and max.	27	4, 30	4, 30	3, 4	3
INTERNAL STORAGE					
Type	MOS	MOS	MOS	MOS	MOS
Capacity of basic system, bytes	256K	128K	128K	128K	64K
Maximum capacity, bytes	512K	1M	1M	512K	64K
Increment size, bytes	128K	64K	64K	128K	—
Cycle/access time, microseconds	0.35	—	—	—	—
MASS STORAGE					
Floppy disk (diskette) drive	Std.; 500K bytes	—	—	Std.; 1.25M bytes	Std.; 900K bytes
Maximum diskette storage	500K bytes	—	—	2.5M bytes	900K bytes
Cartridge disk drive	Std.; 15M bytes	—	Std.; 14M bytes	—	—
Pack disk drive	Opt.; (4) 298MB	—	—	—	—
Fixed-head disk/drum	No	Std.; 28M bytes	Std.; 70M bytes	8.4M bytes	—
Maximum disk storage	342.5M bytes	112M bytes	112M bytes	9.65M bytes	—
WORKSTATIONS					
Maximum number connectable	16	15	15	3	—
Recommended maximum number	12	8	8	1-3	—
Keyboard style	Type., keypunch	Type., num. key.	Type., num. key.	Type., num. key.	ASCII
Workstation printer	No	Optional	Optional	Standard	—
INPUT/OUTPUT DEVICES					
Serial printer	Opt.; 180 cps	Opt.; 150 cps	Opt.; 150 cps	Optional	17-150 cps
Line printer	Opt.; 380-1250 lpm	Opt.; 300 lpm	Opt.; 300 lpm	Optional	Opt.; 300 lpm
Reel-to-reel tape drive	Opt.; 12.5-25 ips	—	—	—	—
Cassette/cartridge tape drive	Optional	Standard	Optional	—	—
CRT	Std.; 1920 char.	Std.; (1) 3168 char.	Std.; (1) 3168 char.	Std.; 1920 char.	Std.; 1920 char.
Other	—	40-cps printer	40-cps printer	—	—
COMMUNICATIONS					
Maximum no. of lines	3	2	2	2	—
Synchronous	Opt.; to 9600 bps	9600 bps	9600 bps	Standard	—
Asynchronous	Opt.; to 9600 bps	9600 bps	9600 bps	—	—
Protocols supported	Async, Bisync, SDLC	2780	2780	2780/3780	—
Network architecture supported	OMNILINK	Point-to-point	Point-to-point	ARCNET	—
RJE terminals emulated	2770, 2780, 3780*	—	—	—	—
IBM 3270 emulation	Yes	No	No	—	—
SOFTWARE SUPPORT					
Cobol	Yes	Yes	Yes	Yes	Yes
RPG	No	No	No	No	No
Fortran	No	Yes	Yes	Yes	Yes
Basic	No	Yes	Yes	Yes	Yes
Assembler	No	Yes	Yes	Yes	Yes
Other programming languages	TAL 2000	Dibol, MUMPS	Dibol, MUMPS	—	—
Multiprogramming	Yes	Yes	Yes	Yes	—
Max. no. of jobs run concurrently	64	20	20	3	—
Language complemented in firmware	No	No	No	No	No
Op. sys. implemented in firmware	No	No	No	No	No
General accounting packages	Yes	Yes	Yes	Yes	Yes
Industry application areas	Manuf., various	—	—	General-purpose	—
Data base management system	No	No	No	—	No
File access methods supported	Seg., ISAM, rand., ind	ISAM	ISAM	ISAM	Seq., rand., ISAM
Software separately priced	Yes	No	No	Yes	Yes
Technical help separately priced	No	No	No	—	Yes
LEASE/MAINTENANCE OPTIONS					
Lease plans available	1-, 2-, 3-year	No	No	—	No
Maintenance plans available	On-call	Yes	Yes	—	Contact vendor
PRICING & AVAILABILITY					
Purchase price of basic system, $	27,350	22,631	27,744	See Comments	5,950
Monthly rental of basic system, $	782 (36-mo. lease)	NOT AVAILABLE	NOT AVAILABLE	—	—
Monthly maint. price of basic system, $	255	207	258	Contact vendor	—
Monthly maint. bundled with rental, $	—	—	—	—	—
Purchase price of:					
additional memory module, $	3,200 (128KB)	930 (64KB)	930 (64KB)	Contact vendor	—
additional workstations, $	1,700	1,866	1,866	Contact vendor	—
additional printer, $	NOT AVAILABLE	2,042	2,042	Contact vendor	—
Discounts available	Quantity	OEM	OEM	—	Quantity
Date of first U.S. delivery	July 1981	October 1981	October 1981	1982	1979
Number installed to date	100	250	250	NOT AVAILABLE	52
COMMENTS	*3774			Floppy disk-based system (1.25MB) with printer is $6,998, hard disk-based system (8.4MB) with printer is $11,453	

Small Business Computer Specifications Addendum

MANUFACTURER AND MODEL	R2E of America XP/2	R2E of America XP/3	R2E of America XP/4	R2E of America XM/2	SD Systems SD 200
WORD LENGTH, BITS	8	8	8	8	8
CPU					
Model	Zilog Z80A	Zilog Z80A	Zilog Z80A	Zilog Z80A	Zilog Z80A
Add time, microseconds	—	—	—	—	—
No. of I/O ports on basic sys. and max.	3	3	3	3, 11	2, 6
INTERNAL STORAGE					
Type	MOS	MOS	MOS	MOS	MOS
Capacity of basic system, bytes	64K	64K	64K	256K	64K
Maximum capacity, bytes	64K	64K	64K	256K	256K
Increment size, bytes	—	—	—	—	64K
Cycle/access time, microseconds	—	—	—	—	—
MASS STORAGE					
Floppy disk (diskette) drive	Std.; 1.8M bytes	Std.; 900K bytes	Opt.; 1.8M bytes	900K bytes	Standard (2)
Maximum diskette storage	1.8M bytes	900K bytes	—	1.8M bytes	2M bytes
Cartridge disk drive	Opt.; 20M bytes	Std.; 5M bytes	Std.; 20M bytes	Opt.; 20M bytes	—
Pack disk drive	—	—	—	—	—
Fixed-head disk/drum	—	—	—	—	—
Maximum disk storage	21.8M bytes	5.9M bytes	21.8M bytes	21.8M bytes	—
WORKSTATIONS					
Maximum number connectable	—	—	—	3	5
Recommended maximum number	—	—	—	3	3-4
Keyboard style	ASCII	ASCII	ASCII	ASCII	Type., num. key.
Workstation printer					
INPUT/OUTPUT DEVICES					
Serial printer	17-150 cps	17-150 cps	17-150 cps	17-150 cps	Opt.; 120-150 cps
Line printer	Opt.; 300 lpm	Opt.; 300 lpm	Opt., 300 lpm	Opt., 300 lpm	—
Reel-to-reel tape drive	—	—	—	—	—
Cassette/cartridge tape drive	—	—	—	—	—
CRT	Std.; 1920 char.	Std.; 1920 char.	Std., 1920 char.	Std.; 1920 char.	—
Other	—	—	—	—	—
COMMUNICATIONS					
Maximum no. of lines	2	2	2	8	—
Synchronous	Up to 9600 bps	Up to 9600 bps	Up to 9600 bps	Up to 9600 bps	—
Asynchronous	Up to 9600 bps	UP to 9600 bps	Up to 9600 bps	Up to 9600 bps	—
Protocols supported	—	—	—	—	—
Network architecture supported	—	—	—	—	MARS/NET
RJE terminals emulated	—	—	—	—	—
IBM 3270 emulation	—	—	—	—	—
SOFTWARE SUPPORT					
Cobol	Yes	Yes	Yes	Yes	Yes
RPG	No	No	No	No	—
Fortran	Yes	Yes	Yes	Yes	—
Basic	Yes	Yes	Yes	Yes	Yes
Assembler	Yes	Yes	Yes	Yes	—
Other programming languages	—	—	—	—	—
Multiprogramming	—	—	—	Yes	—
Max. no. of jobs run concurrently	—	—	—	4	—
Language complemented in firmware	No	No	No	No	—
Op. sys. implemented in firmware	No	No	No	No	No
General accounting packages	Yes	Yes	Yes	Yes	Yes
Industry application areas	—	—	—	—	—
Data base management system	No	No	No	No	—
File access methods supported	Seg., rand., ISAM	Seq., rand., ISAM	Seq., rand., ISAM	Seq., rand., ISAM	—
Software separately priced	Yes	Yes	Yes	Yes	Yes
Technical help separately priced	Yes	Yes	Yes	Yes	Yes
LEASE/MAINTENANCE OPTIONS					
Lease plans available	No	No	No	No	—
Maintenance plans available	Contact vendor	Contact vendor	Contact vendor	Contact vendor	—
PRICING & AVAILABILITY					
Purchase price of basic system, $	6,750	9,950	15,250	Contact vendor	7,495
Monthly rental of basic system, $	—	—	—	—	—
Monthly maint. price of basic system, $	—	—	—	—	—
Monthly maint. bundled with rental, $	—	—	—	—	—
Purchase price of:					
additional memory module, $	—	—	—	—	1,385
additional workstations, $	—	—	—	—	1,249
additional printer, $	—	—	—	—	2,250
Discounts available	Quantity	Quantity	Quantity	Quantity	Yes
Date of first U.S. delivery	1979	1980	1980	1982	1980
Number installed to date	133	43	NOT AVAILABLE	NOT AVAILABLE	600
COMMENTS					

Small Business Computer Specifications Addendum

MANUFACTURER AND MODEL	SD Systems SD 700	Systems Group 2800 Series	Tarbell EMPIRE-II	Zendex Model 235	Zendex Model 238
WORD LENGTH, BITS	8	8	8	8	8
CPU					
Model	Zilog Z80A	Zilog Z80A	Zilog Z80	Intel 8085AH-2	Intel 8088
Add time, microseconds	—	—	1 (two 8-bit bytes)	—	—
No. of I/O ports on basic sys. and max.	2, 6	2, 16	2, 6	3, 3	3, 3
INTERNAL STORAGE					
Type	MOS	MOS	MOS	MOS, Dyn. RAM	MOS, Dyn. RAM
Capacity of basic system, bytes	64K	64K	64K	64K	64K
Maximum capacity, bytes	256K	128K	1M	64K	64K
Increment size, bytes	64K	64K	64K	—	—
Cycle/access time, microseconds	—	—	0.25	0.2	0.2
MASS STORAGE					
Floppy disk (diskette) drive	Standard (2)	Std.; 630K bytes	2.4M bytes	Standard	Standard
Maximum diskette storage	2M bytes	2.52M bytes	2.4M bytes	1M bytes	1M bytes
Cartridge disk drive	—	—	—	No	No
Pack disk drive	16M bytes	—	—	No	No
Fixed-head disk/drum	16M bytes	Opt.	—	No	No
Maximum disk storage	96M bytes	80M bytes	600MB (Winch.)	—	—
WORKSTATIONS					
Maximum number connectable	5	8	10	1	1
Recommended maximum number	3-4	1-8	4	1	1
Keyboard style	Type., num. key.	—	Type., num. key.	Optional	Optional
Workstation printer	—	—	Standard	Optional	Optional
INPUT/OUTPUT DEVICES					
Serial printer	Opt.; 120-150 cps	Optional	Optional	Optional	Optional
Line printer	—	—	Optional	Optional	Optional
Reel-to-reel tape drive	—	—	Optional	No	No
Cassette/cartridge tape drive	—	Optional	Optional	No	No
CRT	—	Optional	Std.; 1920 char.	Optional	Optional
Other	—	—	—	—	—
COMMUNICATIONS					
Maximum no. of lines	—	—	8	3	3
Synchronous	—	To 614,400 bps	Up to 19.2K bps	Std.; 19.2K bps	Std.; 19.2K bps
Asynchronous	—	To 38,400 bps	Up to 19.2K bps	Std.; 38.4K bps	Std.; 38.4K bps
Protocols supported	—	—	—	2780/3780, SDLC	2780/3780, SDLC
Network architecture supported	MARS/NET	—	CP/NET	Optional	Optional
RJE terminals emulated	—	—	—	No	No
IBM 3270 emulation	—	—	No	No	No
SOFTWARE SUPPORT					
Cobol	Yes	Yes	Yes	Yes	Yes
RPG	—	—	No	No	No
Fortran	—	—	Yes	Yes	Yes
Basic	Yes	Yes	Yes	Yes	Yes
Assembler	—	—	Yes	Yes	Yes
Other programming languages	—	—	Pascal, PL/1, APL	PL/1	PL/1-86
Multiprogramming	—	Yes	Yes	No	No
Max. no. of jobs run concurrently	—	—	16	1	1
Language complemented in firmware	—	No	No	No	No
Op. sys. implemented in firmware	No	No	No	No	No
General accounting packages	Yes	Yes	Yes	Optional	Optional
Industry application areas	—	—	Small business	—	—
Data base management system	—	—	Yes	No	No
File access methods supported	—	ISAM, dir., seq.	Seq., rand., ISAM	—	—
Software separately priced	Yes	Yes	Yes	Yes	Yes
Technical help separately priced	Yes	—	Yes	No, standard	No, standard
LEASE/MAINTENANCE OPTIONS					
Lease plans available	—	—	Contact dealer	No	No
Maintenance plans available	—	—	Contact dealer	No	No
PRICING & AVAILABILITY					
Purchase price of basic system, $	20,965	Contact vendor	6,000	6,995	6,995
Monthly rental of basic system, $	—	—	Contact dealer	—	—
Monthly maint. price of basic system, $	—	Contact vendor	Contact dealer	—	—
Monthly maint. bundled with rental, $	—	—	Contact dealer	—	—
Purchase price of:					
additional memory module, $	1,385	—	500 (64KB)	—	—
additional workstations, $	1,249	—	1,000	—	—
additional printer, $	2,250	—	Contact dealer	—	—
Discounts available	Yes	—	15-35 percent	OEM	OEM
Date of first U.S. delivery	1980	1982	March 1981	January 1982	January 1982
Number installed to date	25	NOT AVAILABLE	175	50	30
COMMENTS		CP/M, MP/M or OASIS operating systems		Complete system in dual floppy disk drive chassis	Complete system in dual floppy disk drive chassis

Small Business Computer Specifications Addendum

MANUFACTURER AND MODEL	Zilog MCZ 1/50	Zilog MCZ-2/Z-Net	Zilog S8000 Model 20	Zilog S8000 Model 30
WORD LENGTH, BITS	8	8	16	16
CPU				
Model	—	—	Zilog Z8001A	Zilog Z80A
Add time, microseconds	—	—	—	—
No. of I/O ports on basic sys. and max.	2, 6	2, 6/node	8, 24	8, 24
INTERNAL STORAGE				
Type	MOS	MOS	MOS, Semi. ECC	MOS, Semi. ECC
Capacity of basic system, bytes	64K	64K/node	256K	512K
Maximum capacity, bytes	64K	64K/node	1.024M	1.024M
Increment size, bytes	—	—	256K	256K
Cycle/access time, microseconds	0.4	0.25	0.18	0.18
MASS STORAGE				
Floppy disk (diskette) drive	Std.; 500K bytes	Opt.; 4.8M bytes/node	—	—
Maximum diskette storage	1M bytes	4.8M bytes/node	—	—
Cartridge disk drive	No	Opt.; 10M bytes/node	—	—
Pack disk drive	—	—	—	—
Fixed-head disk/drum	—	—	Std.; 24M bytes	Std.; 48M bytes
Maximum disk storage	—	40M bytes/node	96M bytes	96M bytes
WORKSTATIONS				
Maximum number connectable	5	255 nodes (5 per node)	24	24
Recommended maximum number	1	1/node	24	24
Keyboard style	Typewriter	Typewriter	Typewriter	Typewriter
Workstation printer	No	No	—	—
INPUT/OUTPUT DEVICES				
Serial printer	Opt.; 150 cps	Opt.; 150 cps	Standard	Standard
Line printer	—	—	Opt.; (2) 600 lpm	Opt.; (2) 600 lpm
Reel-to-reel tape drive	—	—	—	—
Cassette/cartridge tape drive	—	—	Cart.; 14M bytes	Cart.; 14M bytes
CRT	Std.; 1920 char.	Opt.; 1920 char.	Opt.; 1920 char.	Opt.; 1920 char.
Other				
COMMUNICATIONS				
Maximum no. of lines	4	4/node	8	8
Synchronous	Optional	Optional	Std.; 9600 bps	Std.; 9600 bps
Asynchronous	Optional	Optional	Std.; 19.2K bps	Std.; 19.2K bps
Protocols supported	2780	2780	2780/3780	2780/3780
Network architecture supported	—	Z-Net	Z-Net, X.25	Z-Net, X.25
RJE terminals emulated	—	—	—	—
IBM 3270 emulation	No	No	No	No
SOFTWARE SUPPORT				
Cobol	Yes	Yes	Yes	Yes
RPG	No	No	No	No
Fortran	Yes	No	Yes	Yes
Basic	Yes	No	Yes	Yes
Assembler	YEs	Yes	Yes	Yes
Other programming languages	PLZ	No	Pascal, PLZ/ASM	Pascal, PLZ/ASM
Multiprogramming	No	—	Yes	Yes
Max. no. of jobs run concurrently	1	—	24	24
Language complemented in firmware	No	No	—	—
Op. sys. implemented in firmware	No	No	Yes	Yes
General accounting packages	Yes	Yes	Yes	Yes
Industry application areas	No	No	—	—
Data base management system	No	No	Yes	Yes
File access methods supported	Yes	Yes	—	—
Software separately priced	Variable	Variable	Yes, except OS	Yes, except OS
Technical help separately priced	—	—	Yes	Yes
LEASE/MAINTENANCE OPTIONS				
Lease plans available	No	No	—	—
Maintenance plans available	Yes	Yes	Yes	Yes
PRICING & AVAILABILITY				
Purchase price of basic system, $	8,000	7,000-15,000/node	29,950	37,950
Monthly rental of basic system, $	—	—	—	—
Monthly maint. price of basic system, $	Various	Various	—	—
Monthly maint. bundled with rental, $	—	—	—	—
Purchase price of:				
additional memory module, $	—	—	3,750 (256KB)	3,750 (256KB)
additional workstations, $	2,000	2,000	1,925	1,925
additional printer, $	2,000	2,000	—	—
Discounts available	To 40 percent	To 40 percent	Yes	Yes
Date of first U.S. delivery	1977	1980	October 1981	October 1981
Number installed to date	4000	200	NOT AVAILABLE	NOT AVAILABLE
COMMENTS		Z-Net is a network system		