

DESKPRO 386/20e

System Boards	Assembly	Spare Part
386 System	000935/001196	112571-001
	001316	
	001625	
	001906-001	
386 System *	001906-002	126528-001

* Integrated Advanced VGA. Used only in systems with a "256 VGA" label applied to the back of the unit.

SW1 Switch Settings

System Board (000935, 001196, and 001316)

1	2	3	4	5	6	7	8	Function
ON*								Enable fail-safe
OFF								Disable fail-safe
	OFF*							387 coprocessor not installed/Weitek installed
	ON							387 coprocessor installed
		OFF*						Enable memory caching in 12-MB - 16-MB range
		ON						Disable memory caching in 12-MB - 16-MB range
			OFF*					CPU boot speed 20 MHz
			ON					CPU boot speed 20 MHz except 8 MHz when accessing diskette drive
				OFF				Reserved
					ON*			EGA, RGBI, or VGC
					OFF			Third-party monochrome (MDA only)
						ON*	ON*	640 KB base memory
						OFF	OFF	256 KB base memory
						ON	OFF	512 KB base memory
						OFF	ON	Reserved

* Default.

DESKPRO 386/20e

SW2 Switch Settings

System Board (000935, 001196, and 001316)

1	2	3	4	5	6	7	8	Function
OFF*								Primary diskette and hard drive address select (3FX & 1FX)
ON								Secondary diskette and hard drive address select (37X & 17X)
	OFF*							Enable power-on password
	ON							Disable power-on password
		OFF*						Enable integrated hard drive controller
		ON						Disable integrated hard drive controller
			OFF*	OFF*				Serial interface COM1 IRQ4
			ON	OFF				Serial interface COM2 IRQ3
			ON	ON				Disable serial interface
			OFF	ON				Reserved
					ON*	OFF*		Select printer interface LPT1 (3BX)
					OFF	ON		Select printer interface LPT2 (37X)
					ON	ON		Disable printer interface
					OFF	OFF		Reserved
							OFF*	Enable integrated VGC
							ON	Disable integrated VGC

* Default.

Jumper	Setting	Function
E4	2 - 3 *	Enable pointing device interface
E4	1 - 2	Enable IRQ12 from bus disable pointing device
E10	1 - 2 *	8-bit video ROM
E10	2 - 3	16-bit video ROM

* Default.

System Board (001625 and 001906)

Switch	Setting	Function
S1	ON *	Enable integrated VGA
S1	OFF	Disable integrated VGA
S2	OFF *	Enable Power-On Password
S2	ON	Disable Power-On Password

* Default

DESKPRO 386/20e

Memory Boards	Assembly	Spare Part
4 MB Memory Module	000758/000993 001166-001/002	113226-001
1 MB Memory Module	000762/000981 001076 001151-001 001256/001259	113225-001
1 MB 32-Bit Memory Expansion Board	000960	112518-001
4 MB 32-Bit Memory Expansion Board	000963	112517-001

Controller Boards	Assembly	Spare Part
Tape Adapter *	000774	113259-001
ESDI External 300/600 *	001091	115839-001
15 MHz ESDI Controller *	001283/001628	121667-001
ESDI/Diskette Controller *	001472	115374-001
Advanced ESDI Controller *	WD1009	122370-001

* See Volume 2 Appendix, Multiproduct Boards, for settings.

** See Volume 2 Appendix, Modem Configuration Information.

Video Boards	Assembly	Spare Part
Advanced Graphics 1024 **	109958	114201-001
Advanced Graphics Memory	109959	114202-001
VGA Pass-Through*	001430	114241-001
QVision 1024/I Controller **	002163	126655-001

* Required for single-monitor configuration only if a 1-MB or 4-MB Memory Expansion Board is not installed.

** See Volume 2 Appendix, Multiproduct Boards, for settings.

Miscellaneous	Assembly	Spare Part
Serial/Parallel Interface *	000570	106886-001
Serial/Parallel Interface*	000990	106886-001
2400-Baud Internal Modem	001070	Not Available
9600/2400 Fax Modem **		197458-001

* See Volume 2 Appendix, Multiproduct Boards, for settings.

** See Volume 2 Appendix, Modem Configuration Information.

DESKPRO 386/20e

Hard Drives

Size	Type	Inter-leave	Inte-grated	Min ROM	Spare Part	Controller Assembly
20 MB	2	1:1	Y	M.2	Not Available	N/A
20 MB	2	3:1	Y	M.2	Not Available	N/A
40 MB	22	1:1	Y	M.2	Not Available	N/A
40 MB	43	1:1	Y	M.2	Not Available	N/A
60 MB	55	1:1	Y	R.3	Not Available	N/A
84 MB	27	1:1	Y	N.2	Not Available	N/A
100 MB	45	1:1	Y	M.2	142365-001 ¹	N/A
110 MB	33	1:1	Y	M.2	Not Available	N/A
120 MB	50	1:1	Y	R.3	136918-001 ¹	N/A
					111910-001 ²	
					116806-001 ²	
210 MB	51	1:1	Y	P.6	124013-001 ¹	N/A
					161956-001 ^{2,5}	
					162096-001 ^{2,6}	
320 MB	28	1:1	N	N.2	Not Available ¹	001283
					111918-001 ²	001628
						WD1009
340 MB ³	28	1:1	Y	N.2	194525-001 ^{1, 4}	001283
						001628
						WD1009
Hard Drive Expansion Unit						001283
						001472
						001628
						WD1009

¹ Except Europe.

² Europe only.

³ Formats to 325 MB.

⁴ Contains IDE interface hard drive. If system has two ESDI hard drives, is used in an Expansion Unit or with the Advanced ESDI Controller (WD1009), order 115182-001 hard drive kit.

⁵ IDA, IDA2.

⁶ IDE.

Tape Drives	Spare Part	Tape Cartridge	Spare Part
40/60 MB *	112524-001	40 MB (DC2000)	108142-001
(1/2 height)		60 MB (DC2060)	122086-001
60 MB *	131338-001	60 MB (DC2060)	122086-001
(1/3 height)			
80/120 MB *	122087-001	80 MB (DC2080)	116966-001
(1/2 height)		120 MB (DC2120)	116967-001
80/120 MB *	131337-001	80 MB (DC2080)	116966-001
(1/3 height)		120 MB (DC2120)	116967-001
120/250 MB	197490-001	120 MB (DC2120)	116967-001
135 MB	112523-001	135 MB (DC600 XTD)	113234-001
150/250 MB	115220-001	150 MB (DC600 XTD)	113234-001
		250 MB (DC6250)	115298-001
320/525 MB	116804-001	320 MB (DC6320)	119505-001
		525 MB (DC6525)	119504-001

* With compression.

Diskette Drives	Spare Part
360 KB	112567-001
1.2 MB	112566-001
1.44 MB *	112565-001

* Requires MS-DOS Version 3.31 Revision A if installed as drive B, and
MS-DOS Version 3.31 Revision B if installed as drive A.

DESKPRO 386/20e

Cables	Used With	Spare Part	Desc.
Diskette/Tape Signal	All Diskette Drives 40-/60- and 80-/120-MB Tape Drives	113594-001	
Mass Storage Power	All Diskette and Tape Drives	113596-001	
Mass Storage Power	20-, 40-, 60-, 84-,110-, 120- and 210-MB Hard Drive C	101741-001	6 inch
Mass Storage Power	20-, 40-, 60-, 84-,110-, 120- and 210-MB Hard Drive D	101741-004	15 inch
Tape Signal	135- and 150-/250-MB Tape Drives	113198-002	
Tape Signal	320-/525-MB Tape Drive	116933-001	
Hard Drive Signal	20-, 40-, 60-, 84-,110-, 120- and 210-MB Hard Drive C	113595-001	
Hard Drive Signal	20-, 40-, 60-, 84-,110-, 120- and 210-MB Hard Drive D	112528-001	
Hard Drive Power	320-MB Hard Drive	115215-001	
Hard Drive Signal	320-MB Hard Drive	100625-006	20-Pin
		115197-001	34-Pin
External I/O	Expansion Unit	115810-001	
Telephone Cable *	Modem	112666-001	
VGA Pass-Through	Advanced Graphics	114229-001	

* U.S. and Canada only.

Processor/Coprocessor Locations

(System Board Assemblies 000935, 001196, 001316)

Processor (386-20)	Coprocessor (387-20 or Weitek 3167) *
U154	U155

System Board Assemblies (001625 and 001906)

Processor (386-20)	Coprocessor (387-20 or Weitek 3167) *
U139	U140

* Weitek 3167 Coprocessor Spare Part 115117-001.

System ROM Locations (000935, 001196, 001316)

U141 ODD	U156 EVEN
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System ROM Locations (001625 and 001906)

U119 ODD	U141 EVEN
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DESKPRO 386/20e

System ROM Revisions (Spare Part 112694-001)

(System Board Assemblies 000935, 001196, 001316, 001625, 001906-001)

Revision	Number on ODD ROM	Number on EVEN ROM
M.2	112673-003	112674-003
M.4	112673-004	112674-004
N.2	112673-005	112674-005
N.3	112673-006	112674-006
P.6	122095-001	122096-001
R.3	122095-002	122096-002
R.4	124049-001	124050-001

System ROM Revisions (Spare Part 126551-001)

(System Board Assembly 001906-002)

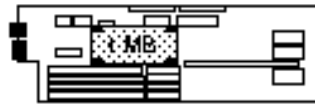
Revision	Number on ODD ROM	Number on EVEN ROM
021491	126545-003	126546-003
022691	126545-004	126546-004
061391	126545-005	126546-005

Power Supply/Battery	Spare Part
Power Supply	112570-001
Battery	112654-001 (System Boards 001196, 001316 and 000935)
Battery/Clock Module	107872-001 (System Boards 001625 and 001906)

DESKPRO 386/20e

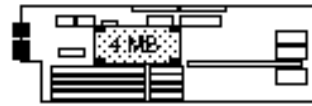
MEMORY UPGRADE CHART

1 MB, 32-BIT MEMORY MODULE
ON SYSTEM BOARD



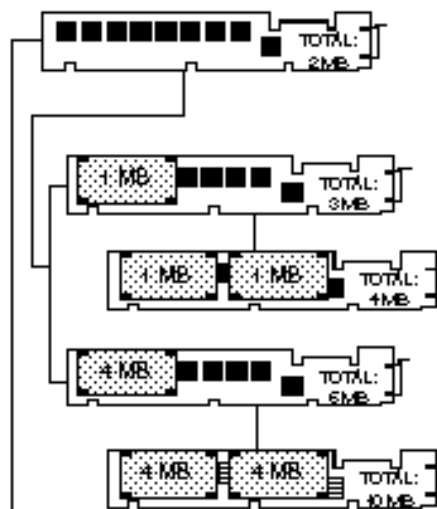
1 MB
MEMORY MODULE -
SPARE PN 113225-001

4 MB, 32-BIT MEMORY MODULE
ON SYSTEM BOARD

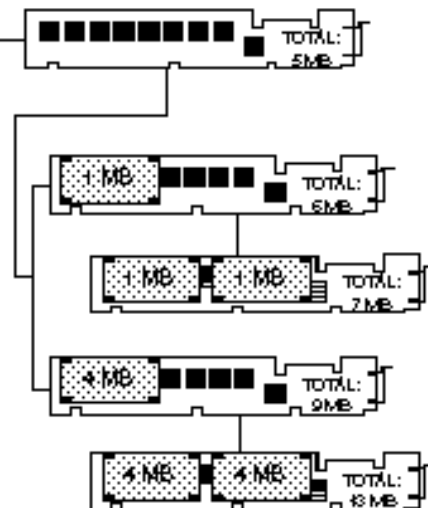


4 MB
MEMORY MODULE -
SPARE PN 113225-001

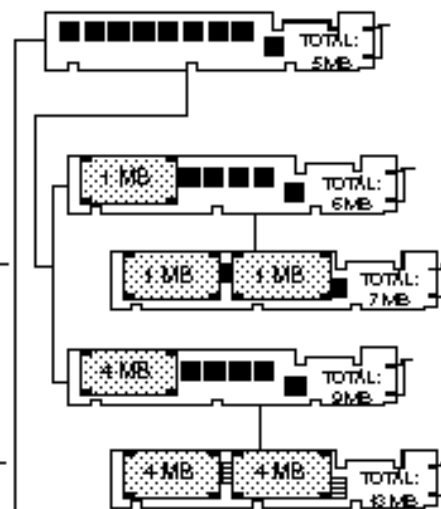
1 MB, 32-BIT MEMORY
EXP BOARD SPARE PN 112518-001



4 MB, 32-BIT MEMORY
EXP BOARD SPARE PN 112518-001



1 MB, 32-BIT MEMORY
EXP BOARD SPARE PN 112517-001



4 MB, 32-BIT MEMORY
EXP BOARD SPARE PN 112517-001

