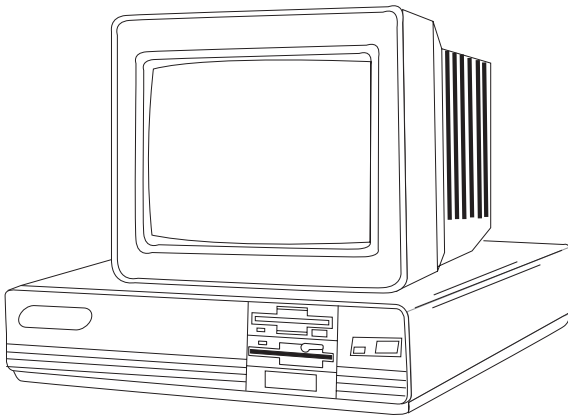


COMPAQ Deskpro M Family



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Specifications

Processor

- Intel 386DX/25, 386DX/33, 486SX/16, 486SX/25
- Intel 486SX/25, 486DX/33 (processor speed switch)
- Intel 486SX/25, 486SX/33, 486DX/33 (standard in models with 240MB hard drive or larger)
- Intel 486DX2/50, 486DX2/66 (supports 238 pin socket)
- Pentium 5/60, 5/66

Memory

- Pentium: 8 /16 MB RAM std, expands to 136 /144 MB.
- Other models: 4/8 MB RAM std, expands to 64 MB.

I/O Expansion Slots

- 4-full size 32-bit EISA expansion slots.

Diskette Drive

- 3.5 inch 1.44 M diskette drive standard on all machines.

Integrated Features

- Pentium/Windows: QVision 1280 graphics controller for 1280 x 1024 x 256; 1024 x 768 x 256. Other models: Advanced graphics controller for 800 x 600 x 256. Windows include hw/sw that allow voice annotation, audible proofing, voice recognition. Parallel; two serial; mouse, video, Windows models include an audio adapter with input and output jacks

Internal Expansion Bays

- Four internal expansion bays

I/O Architecture (Buses supported)

- Extended industry standard architecture (EISA)

Power Supply

- 240 watt with Auto line switching (120V/220V).

Diagnostics

- Normal Post Diags performed on Power UP of system.
- For Advanced Diags use QAPlus/FE
- Troubleshoot according to errors found during test

CMOS Access

QAPlus/FE

Set up Capabilities

Compaq Diags Ver. 9.00

Tools And Software Requirements

- Flat bladed and torx screwdrivers
- Needle nose pliers, Diags and formatted blank diskette
- 25 pin and 9 pin loopback plugs, Anti-static wrist strap
- COMPAQ EISA Configuration Utility diskette

Switch Settings

SW500 Switch Setting

(I/O Board Assembly 002002 and 002428)

SW	Position	Function
1	OFF	Reserved
2	OFF	CAN update EISA config.
	ON	CANNOT update EISA config.
3	OFF	CAN read/write to diskette
	ON	CANNOT read/write to diskette
4	OFF	EISA config selections are used.
	ON	Override EISA configuration selections
5	OFF	Power-on password enabled
	ON	Power-on password disabled
6	OFF	Current EISA configuration is active
	ON	Current EISA configuration is deleted.

* Default setting of switch is position OFF = Up.

486SX/16 Processor Board Switch Settings

(Assembly 002313 and 002300)

Processor	S1	S2	S3
486SX	OFF	OFF	OFF
487SX-ODP	OFF	ON	ON
486DX-ODPR	ON	OFF	ON

486SX/25 Processor Board Switch Settings

(Assembly 002316 and 002302)

Processor	S1	S2	S3
486SX	OFF	OFF	OFF
487SX-ODP	OFF	ON	ON
486DX-ODPR	ON	OFF	ON

486SX/25, 486/33, 486SX/33 Processor Board Switch Settings

(Assembly 00002825, 002502, 003197, 003200)

Processor	S1	S2	S3	S4 (25MHz)	S4 (33MHz)
486SX	OFF	OFF	OFF	ON	OFF
487SX-ODP	OFF	ON	ON	ON	OFF
486DX-ODPR	ON	OFF	ON	ON	OFF

* Disregard if processor board has a 3-position switch

486/33 Processor Board Switch Settings

(Assembly 002319 and 002297)

Processor	S1	S2	S3
486/33		ON	OFF ON
OD Replacement OD 66/100		OFF	ON ON

486/66 and 486/50 Processor Board Switch Settings

(Assembly 002431 and 002972-002)

Processor	S1	S2	S3
486DX/DX2	ON	OFF	ON
Overdrive/Pentium OD	OFF	ON	ON

Removal Procedures

Before beginning removal complete the following steps.

1. Turn off the computer and any peripheral devices.
2. Disconnect AC power cord from the outlet and system.
3. Disconnect all peripheral devices from the computer.

System Cover

- To remove the cover unlock the keylock and loosen the thumb screws.
- Slide the system unit cover and pull it up and away from the chassis

Field Replaceable Units

Memory	Assembly	OEM Part	IBM Part
Expansion Bd.	002071-001	129129-001	93F7239
1 MB memory *	118666	118740-001	93F7236
2 MB memory *	118667	113923-001	93F7280
2 MB memory **	118667	141753-001	20H8474
4 MB memory *	118665	118741-001	22H4124
	137854		
4 MB memory **	118665-004	141754-001	20H6294
	137854		
8 MB memory *	129041-001	128954-001	22H4123
8 MB memory **	129041-002	141755-001	90G7098
16MB memory **	137143-003	149947-001	90G7101
32MB memory **	139973-002	149948-001	20H8476
256-KB Cache	002481-001	139135-001	20H8614

* SIMMS are 80ns

** SIMMS are 70ns and MUST be used on the Pentium.

Controller	Assembly	OEM Part	IBM Part
SCSI Adapter	001379	116809-001	93F7092
32-bit DualSpeed Token Ring *	114564	120615-001	93F8219
Enhanced 32-bit DualSpeed TR	114564-002	120662-001	93F8253
Token Ring 16 TR	160782-001	142836-001	20H8133
TR Module		142042-001	20H8555
Advanced ESDI	WD1009	122370-001	93F7223
SCSI	001846	122185-001	93F8220
Compression			
32-bit IDA Exp.	001852	124526-001	93F8217
Tape adapter	000774	113259-001	93F7104
6260 SCSI-2	004004	146993-001	90G6453
	002831	133880-001	90G6452
32-bit Fast SCSI-2	002682	142040-001	90G6451
Eth. 16TP	003086	147220-001	20H8457
SCSI-2 Smart Cnt	002969	142130-001	20H8547
NetFlex2-ENET- TR	003382	142222-001	20H8566
NetFlex2-DualPort ENET	003101	142151-001	20H8567
TR Module	142035	142042-001	20H8555
NetFlex Cont.		142041-001	20H8539
NetFlex2 TR		199521-001	20H8538
NetFlex2 DualPort		142195-001	20H8630
Token Ring			

Internal Hard Drive

Size	Type	ROM	OEM Part	IBM Part
100MB	45	081491	142365-001	20H8119
120MB	50	081491	136918-001	20H8589
210MB	51	081491	124013-001	93F7865
240MB	1	101592	129490-001	20H8616
330MB SCSI	N/A	N/A	142037-001	90G6450
340MB	63	080291	128141-001	93F9528
510MB	61	080291	128142-001	93F7869
525MB	42		197014-001	20H8470
550MB SCSI	N/A	N/A	142038-001	90G6449
1.05GB SCSI	N/A	N/A	192799-001	61H9728

System Bds	Assembly	OEM Part	IBM Part
386/25	002028	129157-001	93F7079
386/25	002292	129157-001	93F7079
386/33	002031	129419-001	93F7265
486SX/16	002300/13	129125-001	93F7375
486SX/25	002316	129126-001	93F7350
486SX/25	002302	129126-001	93F7350
486SX/25	002825	140410-001	90G6457
486SX/25 (8MB)	003197	149923-001	20H8610
486SX/33 (4MB)	003107-001	196773-001	20H8605
486SX/33 (8MB)	003107-002	196774-001	20H8606
486/33	002319	129127-001	93F7349
486/33	002297	129127-001	93F7349
483/33	002502	140411-001	90G6456
486/33	003200-001	149924-001	20H8611
486DX2/50	002025	129128-001	93F8824
486DX2/50	002972-002	194825-001	20H8602
486DX2/66	002431	137663-001	20H8603
5/60	002472-002	149943-001	20H8612
5/66	002742-001	139134-001	20H8613
I/O Board	002002	129123-001	93F7263
I/O Board	002304/07	129123-001	93F7263
Audio I/O	002428	129449-001	90G6454
EISA Bus	002005	129124-001	93F7264
EISA Bus	002307	129124-001	93F7264
EISA Bus	002541	129124-001	93F7264

Tape Drives	OEM Part	IBM Part
60MB 1/3H	131338-001	93F8240
80/120MB 1/3H	131337-001	93F8241
80/120MB 1/2H	122087-001	93F8246
120/250MB 1/2H	197490-001	20H8465
150/250MB	115220-001	93F7891
350/525MB	116804-001	93F7885
1.3/2.0GB DAT	131149-001	93F8347
525MB ACA	142073-001	90G6447
5.0GB DAT	142074-001	20H8559

Diskette Drives	OEM Part	IBM Part
1.2MB	112566-001	93F7252
1.44MB	122392-001	93F7278
1.44MB*	112565-001	93F7107

* Signal and power cables separate.

Video Boards	Assembly	OEM Part	IBM Part
Advanced VGA	002340/002220	126656-001	93F8825
QVision 1024/E	001924/002664	126654-001	93F8348
QVision 1024/I *	002948	148866-001	20H8089
QVision 1024/E *	002930	148867-001	20H8136
QVision 1280/E	002727	139183-001	20H8137
QVision 1280/I	002951	139182-001	20H8090
QVision 1MB	002954	139168-001	20H8599

Vram

* Has V32 controller

Miscellaneous	OEM Part	IBM Part
Power Supply	129069-001	93F7261
Mouse	141189-001	20H8828
Serial/Parallel I/O	000570	106886-001
14.4bps Fax mdm	003002	147453-001
		55H1777