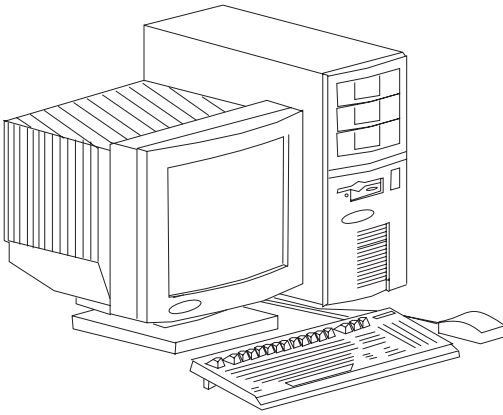


Compaq Prosignia 300 and 500



Compaq Prosignia 300 and 500

Specifications

Processor

- **Model 300:** Intel Pentium 75, 90, 120MHz
- **Model 500:** Intel Pentium 120, 150MHz

Memory

- **Model 300:** 16MB standard, expands to 208MB
- **Model 500:** 16/32MB standard, expands to 208MB

I/O Expansion Slots

- Five total slots—three EISA, one PCI, one EISA/PCI.

Diskette Drive

- One 3.5" 1.44 diskette drive.

Integrated Features

- Two serial
- Parallel
- Pointing device port
- 32-bit Fast SCSI-2
- NetFlex-L ENET
- Integrated graphics 1024x768.

Internal Expansion Bays

- **Model 300:** Supports four mass storage devices.
- **Model 500:** Supports seven mass storage devices.

I/O Architecture (Bus's supported)

- Prosignia System Architecture

Power Supply

- **Model 300:** 200 watt
- **Model 500:** 240 watt

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

Tools And Software Requirements

- Torx T-15 screwdriver
- Ethernet loop back plug
- EISA configuration software
- Diagnostics and formatted blank diskettes
- Drive Array advanced diagnostics software
- Anti-static wrist strap

Jumper/Switch Settings

Switch Settings Prosignia 300

SW1 Settings (System Boards 004506,004509)

SW	Position	Function
S1	OFF*	Turns on integrated video
	ON	Turns off integrated video
S2	OFF*	Unlocks system configuration
	ON	Locks system configuration
S3	OFF*	System in tower chassis
	ON	System in rack chassis
S4	OFF*	Dskt drv. boot drv EISA config
	ON	Diskt drv. boot, not EISA config.
S5	OFF*	Turns off password
	ON	Turns on password
S6	OFF*	Does not clear config.
	ON	Does clear config.

Switch Settings Prosignia 500

SW1 Settings (System Board 004320-001)

SW	Position	Function
S1	OFF*	Turns on integrated video
	ON	Turns off integrated video
S2	OFF*	Unlocks system configuration
	ON	Locks system configuration
S3	OFF*	Reserved
S4	OFF*	Dskt drv. boot drv EISA config
	ON	Diskt drv. boot, not EISA config.
S5	OFF*	Turns off password
	ON	Turns on password
S6	OFF*	Does not clear config.
	ON	Does clear config.

* Default

Prosignia 300 Jumper Settings For SCSI ID

Device Bay #	SCSI ID	ID2	ID1	ID0
3	3	OFF	ON	ON
2	2	OFF	ON	OFF
1	1	OFF	OFF	ON
0	0	OFF	OFF	OFF

Prosignia 500 Jumper Settings For SCSI ID

Device Bay #	SCSI ID	ID2	ID1	ID0
7	N/A	N/A	N/A	N/A
6	6	ON	ON	OFF
5	5	ON	OFF	ON
4	4	ON	OFF	OFF
3	3	OFF	ON	ON
2	2	OFF	ON	OFF
1	1	OFF	OFF	ON
0	0	OFF	OFF	OFF

* Note no two SCSI devices can have the same address.

Removal Procedures

Before beginning removal complete the following:

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

System Cover

Warning: High voltage is present, use caution when running the Prosignia without the system cover on.

1. Loosen three thumb screws on back.
2. Slide side access door back and then out.
3. Remove front bezel holding screw, there's only one.
4. Unscrew four Torx T-15 screws at back panel.
5. Slide system unit cover backward then up.

Field Replaceable Units

Memory	Assembly	OEM Part	IBM Part
4MB 70ns mod.	118665-004	141754-001	20H6294
4MB 60ns		139139-001	37H1197
8MB 70ns mod.	129041-002	141755-001	90G7098
8MB 60ns		139140-001	37H1198
16MB 70ns mod.	137143-003	149947-001	90G7101
16MB 60ns		139141-001	37H1199
32MB 70ns mod.	139973-002	149948-001	20H8476
32MB 60ns		139142-001	37H1200

MicroProcessors

Description	OEM Part	IBM Part
5/75 w/ heatsink	211455-001	61H8981
5/90 w/ heatsink	211452-001	61H8979
5/120 w/ heatsink	222906-001	52H5712
*Prosignia 300		

Diskette Drives

Description	OEM Part	IBM Part
3.5" drive, no bracket ²	160788-101	20H8523
1.44MB ¹	112565-001	93F7107
1.2MB ^{1,2}	112566-001	93F7252
1.44MB	144207-001	20H8548
¹ Prosignia 300 only, ² Prosignia 500 only		

CD ROM Drives

Description	OEM Part	IBM Part
Internal tray load CD	142223-001	20H8472
External tray load CD ¹	199430-001	20H8471
Quad speed tray load	184783-001	52H9094
¹ Prosignia 300 only		

Field Replaceable Units, continued

Controller Boards

Description	Assembly	OEM Part	IBM Part
SMART contrlr bd.	002969	142130-001	20H8547
SMART contrlr bd.	003596	181132-001	20H8736
Fast SCSI-2	002682	142040-001	90G6451
Fast-wide SCSI 2/P ¹	003654	199633-001	37H1206
Fast-wide SCSI 2/E ²	003529	199634-001	37H1205
NetFlex controller	002709	142041-001	20H8539
NetFlex TR module	142035	142042-001	20H8555
NetFlex-2 ENET/TR		142222-001	20H8566
NetFlex-2 Dual ENET		142151-001	20H8567
NetFlex-2 TR	003647	199521-001	20H8538
NetFlex-2 dual TR	003104	142195-001	20H8630
NetFlex-3/E	004162	169801-001	52H5606
NetFlex-3/p	004165	169811-001	74H2685
NetFlex-3 100baseTX	004183	169805-001	61H8949
NetFlex-3 100 VG	004189	169803-001	61H8947
¹ Model 300 only, ² Model 500 only			

Internal Hard Drive

Size	OEM Part	IBM Part
4.3GB fast-SCSI	199585-001	52H5730
4.3GB fast wide SCSI-2	199599-001	37H1202
2.1GB fastSCSI-2	142272-001	20H8577
2.1GB fast wide SCSI-2	199644-001	37H1201
1.05GB FSCSI-2	142039-001	90G6448
550MB fast SCSI-2	137730-001	20H8550

System Boards

Description	Assembly	OEM Part	IBM Part
Sys. I/O ¹	184360-001	184359-001	61H8969
5/75, no prcssr. ¹	004506-102	211454-001	61H8980
5/90, no prcssr. ¹	004509-102	211450-001	61H8978
5/120, no prcssr. ¹	004712-102 004712-103 004712-103 004712-109	169174-002	61H9031
Sys. I/O ²	004320-001	188307-001	61H9030
P54C/90, PCI ²	003510-003	211420-001	61H8597
5/120 w/ heatsink ²		222906-001	52H5712
¹ Prosignia 300 only, ² Prosignia 500 only			

Miscellaneous

Description	OEM Part	IBM Part
Power 200 watt ¹	197416-001	20H8477
Power supply ²	144206-001	20H8556
Battery ^{1,2}	160274-001	20H8456
Rack conversion ¹	187347-001	61H8970
¹ Prosignia 300 only, ² Prosignia 500 only		

Field Replaceable Units, continued

Tape Drives

Description	OEM Part	IBM Part
525MB ACA	142073-001	90G6447
1.2GB TBU	199615-001	61H8964
5.0GB DAT w/ compression	142074-001	20H8559
4/16GB TurboDat	199464-001	20H8549
Internal TurboDat Autoloader	199466-001	20H8551
10/20GB DLT	199676-001	61H8971
15/30 Table top DLT ¹	242469-001	74H3304
¹ Prosignia 300 only		

Cables

Description	OEM Part	IBM Part
Diskette drive signal cable ²	143706-001	61H8930
SCSI-2 Device Signal w/ trmntor. ²	211408-001	61H9032
SCSI-7 device signal w/ trmntor. ²	211409-001	61H9033
NetFlex-2 TR cable ²	199539-001	61H9034
Int. fast SCSI-2 HD ¹	211448-001	61H8977
Int. fast wide SCSI-2 HD ¹	211457-001	61H8982
Diskette drv (2-device) ¹	211447-001	61H8976
Ext. 100 pin to 50 pin ¹	142159-001	20H8724
Loopback cable 2 ch. NIC ¹	142254-001	20H8725
Loopback cable NetFlex ¹	142054-001	55H1088
2-channel Ethernet Y cable ¹	197134-001	20H8727
DLT 6" std. to centronics ^{1,2}	199714-001	61H8973
DLT 6" wide to centronics ^{1,2}	199780-001	61H8975
DLT 18" daisy chain ^{1,2}	199713-001	61H8972
DLT active terminator ^{1,2}	199715-001	61H8974
50-pin to 68-pin adapter ²	189638-001	53H1431
¹ Prosignia 300 only, ² Prosignia 500 only		

System ROM

Description	OEM Part	IBM Part
ROMPaq	143198-001	20H8731
Option ROMPaq ¹	142207-001	37H1204
¹ Prosignia 300 only		