



IBM RS/6000 7043 Series 43P Model 140 and 240

Specifications

Processor

- PowerPC 604e 166MHz, 200MHz or CPU DASD.

Memory

- *Model 140*: 32MB RAM standard, expands to 768MB.
- *Model 240*: 32MB RAM standard, expands to 1024MB.

I/O Expansion Slots

- *Model 140*: Two shared PCI or ISA and three ISA slots.
- *Model 240*: One 32/64-bit PCI, two 32-bit PCI, and two ISA expansion slots.

Diskette Drive

- One 3.5", 1.44MB drive standard.

Integrated Features

- Integrated Ethernet controller.
- Integrated SCSI-2 fast/wide controller.
- 8X CD ROM.
- Keyboard and Mouse port.
- Microphone port.
- Parallel port and Two serial ports.
- 10BaseT or 10Base5 ports.
- External SCSI port.

Internal Expansion Bays

- Three 5.25" and two 3.5" drive bays.

I/O Architecture (Bus's supported)

- ISA/PCI.

Power Supply

- 250 Watts.

Diagnostics

- Normal Post Diags performed on Power UP.
- For Advanced Diags use System Management Services by pressing the **F1** key.
- Troubleshoot according to errors found during test.

CMOS Access

- QAPlus/FE

Default Boot List

- Diskette
- CD ROM
- Hard file
- Network
 1. Token Ring
 2. Ethernet

System Management Services

- **Config**: Allows you to view the system setup.
- **Boot**: Lets you set the sequence for devices to be located during startup.
- **Tools**: Lets you delete passwords, control system tones, turn on unattended start mode, view addresses of SCSI controllers, select the console, and look at and clear the error log.
- **Exit**: Returns you to the prior screen.

Tools and Software Requirements

- Phillips head screwdriver
- Needle nose pliers
- Diags and formatted blank diskette
- Anti-static wrist strap

Removal Procedures

- Turn off the computer and any peripheral devices.
- Disconnect AC power cord from outlet and system.
- Disconnect all peripheral devices from computer.
- Unlock the cover at the cover lock located on the front center of the chassis.
- Hold down cover latch at rear of computer and slide the cover to the rear of the system about one inch.
- Grab cover on both sides and lift away from computer.

Location Code Format

The basic format of the location code is as follows:

1. For non-SCSI devices/drives
 - AB-CD-EF-GH
2. For SCSI devices/drives, this does not apply to adapters or controllers.
 - AB-CD-EF-G,H

Location Code Definitions

AB	identifies the bus type.
CD	depends on whether or not the device is integrated or an adapter.
EF	is generated by firmware.
GH	is a subsystem index that indicates subordinate devices of the parent identified by AB-CD-EF value.

Field Replaceable Units

Memory

Description	IBM Part
8MB DIMM	42H2771
16MB DIMM	39H8586
32MB DIMM	39H8587
64MB DIMM	39H8588
128MB DIMM	42H2775

DIMM = Dual Inline Memory Module

System Boards

Description	IBM Part
166MHz (Model 140)	73H4571
200MHz (Model 140)	93H2573

Processors

Description	IBM Part
Processor card (Model 240)	40H7599

Diskette Drives

Description	IBM Part
Diskette drive	93F2361

Boards/Cards

Description	IBM Part
Interposer	92F2565
Riser card (Model 140)	73H4532
Riser card (Model 240)	40H7601

Cables

Description	IBM Part
Diskette cable assembly	93H1821
SCSI cable assembly (Model 140)	73H0435
SCSI cable assembly (Model 240)	40H7572
Display cable toroid kit	11H6128

Miscellaneous

Description	IBM Part
9-pin to 25-pin serial converter	90H6328
Terminator (Model 140)	92F2566
Battery	23F0168
Keyboard	82G3295
Three-button mouse	8185429
Fan and speaker assembly (Model 140)	40H7584
Fan and speaker assembly (Model 240)	93H1820
Disk drive bracket (Model 140)	06H9038
Disk drive bracket (Model 240)	40H7752
Power supply	40H7563

System Documentation

The following publications are shipped with this product:

- IBM RS/6000 7043 43P Series Models 140 and 240 setup instructions.
- IBM RS/6000 7043 43P Series Models 140 and 240 Users Guide.
- PCI Graphics Adapter Placement Reference System Unit Safety Information.