

IBM RISC System/6000 Model N40 Features and Enhancements

Additional features and enhancements for RISC System/6000® Model N40 notebook workstation include:

540MB SCSI-2 Removable Disk Drive — Can be useful if you are running large application programs or have high data storage requirements. 540MB SCSI-2 Removable Disk Drive can be ordered as an additional disk or as a select option for the 340MB SCSI-2 Removable Disk Drive that comes standard on Model N40.

Wabi 1.1 — Now part of AIX® for N40, Wabi 1.1 provides an environment for executing many Windows¹-based applications and gives access to many industry leading Windows-based personal productivity applications and existing AIX applications from the Model N40. Wabi 1.1 is available automatically with new orders for AIX for N40 and RS/6000™ Model N40. For existing customers, Wabi is available on CD-ROM (AIX for N40 CD-ROM Media, 7071).

AIXwindows® Environment/6000 Version 1.2.5 3D Option — Refer to Software Announcement 293-489, dated September 21, 1993, for additional details and ordering information.

ISDN Network Software — Allows access to ISDN networks and provides communications at much higher rates than analog telephone lines. ISDN network software is automatically available with new orders of AIX for N40 and Model N40. An easy upgrade is available to existing customers through the IBM Repair Center.

Additional PCMCIA Hard Disk Drive Options — Included are Maxtor MXL Series PCMCIA hard disk drives, Models MXL-105-111 (105MB) and MXL-130-111 (131MB). PCMCIA disk drives are 1.8-inch random access storage devices that have a PCMCIA Type 3 form factor and incorporate the PCMCIA 2.0-compatible interface and the 68-pin ATA interface.

Support for Sun Displays — Attachment of a Model N40 to a Sun Display with 1152 x 900 resolution is now supported.

Purchase Price:

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|---|---------|
| • 540MB SCSI-2 Removable Disk Drive | \$1,690 |
| • 540MB SCSI-2 Removable Disk Drive Select (340MB to 540MB) | 200 |

Planned Availability Dates:

- August 12, 1994
 - 540MB SCSI-2 Removable Disk
 - Wabi 1.1 support
 - AIXwindows Environment/6000 Version 1.2.5 3D option support
- September 30, 1994
 - ISDN application support for new and existing N40s

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IN BRIEF . . .

- ◆ 540MB SCSI-2 Removable Disk Drive and select feature
- ◆ Wabi 1.1 support for new and existing Model N40s
- ◆ AIXwindows Environment/6000 Version 1.2.5, or later, 3D option for new and existing Model N40s
- ◆ ISDN support for new and existing Model N40s
- ◆ Additional PCMCIA hard disk drive support

Description

Wabi 1.1 — Certified applications supported by Wabi 1.1 install and operate like they would if installed and operated under Microsoft** Windows 3.1 on an IBM or IBM compatible personal computer. For the majority of applications currently certified by Wabi 1.1, Microsoft Windows is not required to execute Microsoft Windows applications.

For further information about Wabi 1.1, refer to Software Announcement 294-442, dated July 26, 1994.

ISDN Software — Under Nomadic Computing Environment (NCE), ISDN is available in a manner similar to that used for the standard analog modem. The same Internet protocols (IPs) are supported, but with a much higher bandwidth than before.

Two data channels, each operating at 64Kb/sec are available simultaneously for automatic, on-demand dial-up access to remote networks over Internet protocols/point-to-point (IP/PPP) connections. User access is via standard networking utilities such as FTP and Telnet.

For ISDN application software developers, the protocol stack presented by N40 implementation can be accessed at a number of levels. An application software interface library that conforms to the Q.931 specification, as defined by the North American ISDN Users Forum (NIUF), is presented. The library is for call management to the ISDN network.

Product Positioning

With its world-class, lightweight design and powerful feature set, IBM's unique notebook workstation is the ideal portable companion to the RISC System/6000 workstation for users who want to use AIX remotely while staying connected to their networks.

Model N40 combines workstation performance and functionality in a portable, lightweight package. Designed for the mobile professional, the notebook workstation weighs just 6.9 pounds and operates from an internal battery or an optional battery pack that lets the user work up to four consecutive hours without interruption. With its integrated TrackPoint II™ pointing device conveniently located in the center of the keyboard, there is no need for an external mouse. The power of Model N40 is provided by 50MHz PowerPC™ 601 single-chip processor, 32KB unified instruction and data cache, 16- to 64MB memory capacity, and the ability to run AIX/6000™-compatible applications.

Model N40 takes advantage of the latest in mobile communications by providing connectivity via a high-speed modem, Ethernet, and ISDN devices. In addition, Model N40 includes PCMCIA capability for token ring, many other PCMCIA features, and future wireless adapters. Model N40 also offers a built-in speaker and microphone.

Publications

Publications are shipped with the system order. Additional copies can be ordered.

System Library Subscription Service (SLSS) is available by order number only. Current SLSS subscribers automatically receive publication updates.

Education Support

Education supporting RISC System/6000 hardware and related software is available for effective installation planning, programming, and efficient day-to-day operations.

For a complete listing of available courses, contact your IBM representative or call IBM Education and Training at 800-IBM-TEACH (426-8322) for catalogs, schedules, and enrollments.

Technical Information

Specified Operating Environment

Hardware Requirements:

- Model N40
- Adequate memory to support user environment
- Compatible disk storage for user requirements
- Access to AIX/6000 or external input/output devices to support user requirements

Available Disk Storage Space Table

Installed Storage Capacity	Installed System Memory		
	16MB	32MB	64MB
340MB	150MB	100MB	75MB
540MB	350MB	300MB	275MB

Software Requirements:

- AIX for N40 operating system is pre-installed
- AIX for N40 backup copy on CD-ROM is shipped with Model N40

Refer to Software Announcement 294-114, dated March 8, 1994, for additional information.

Refer to the Ordering Information section of the system announcement for details.

Security, Auditability, and Control

These products use the security and auditability features of RISC System/6000 hardware and required software.

Customers are responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

Terms and Conditions

Feature Section

IBM Software Support Services: AIX Support Family offers a number of technical support services designed to meet varying system support requirements for AIX and RISC System/6000 customers. The services provide timely, knowledgeable assistance and information from IBM specialists and experts. Various options provide flexibility in defining the scope of services required.

Model N40 comes with 30-day software defect and "how to" support. For complete details on extended software service (fee-based) and hardware warranty service, call AIX Support Center at 800-CALLAIX (225-5249).

MES Discount Applicable: The feature discount is equal to the discount percent associated with the current volume commitment of the category type of the machine the feature is installed in.

Field-Installable Feature: Yes

Warranty Period: One year

Customer Setup: Yes

All other terms and conditions are the same as for the host IBM RISC System/6000.

Charges

RISC System/6000 Machine Type 7007 Model N40

Description	Model Number	Feature Numbers	Purchase Price
540MB SCSI-2 Removable Disk Drive	N40	2516	\$1,690
540MB SCSI-2 Removable Disk Drive Select (340MB to 540MB)	N40	2517	200

Note: Select and specify features can be ordered only with the initial system plant order.

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