

IBM RISC System/6000 Model C10 Features and Enhancements

RISC System/6000® Model C10 compact server is available with additional features:

- **Several additional communication adapters** — Available previously on some of the other RISC System/6000 models are now available on Model C10. These adapters provide attachment capability to the S/370™ or S/390® hosts or peripherals via Block Multiplexer Channel, S/370 Channel Emulator, or 5080 Coax Communication attachments or high bandwidth connectivity via the TURBOWAYS 100 Asynchronous Transfer Mode (ATM) Adapter or IBM Fibre Channel Adapter/266.
- **Asynchronous connection for long distance** — Via 8- or 16-Port Async Adapters, is now available for EIA-422A communication support.
- **Internal storage capacity** — With use of a disk drive mounting kit to install a third internal disk in the available media bay, storage for Model C10 is increased up to 6GB.
- **Nonlocking switch** — An optional nonlocking switch, instead of the standard key lock, is available on initial plant orders. The nonlocking, three-position MODE switch provides logic security without a key.

Refer to the **Description** section of this announcement for additional supported devices that attach to Model C10.

With the initial plant order of Models C10, 52H, 55L, 570, 580, 58H, 590, 59H, or R24, 1GB SCSI-2, 2GB SCSI-2, or 2GB SCSI-2 Fast/Wide disk drives can be ordered in quantities of one, two, or four. Multiple-quantity orders are offered in addition to the standard internal disk for these models and represent a significant savings over list prices for separate orders.

Refer to the **Charges** section of this announcement for specific model and price offerings.

IN BRIEF . . .

- ◆ Additional communication capabilities:
 - TURBOWAYS 100 ATM Adapter
 - Fibre Channel Adapter/266
 - Range of host-oriented adapters
- ◆ Additional asynchronous communication support with 8- and 16-Port Async Adapters for EIA-422A communication
- ◆ Option of third internal disk
- ◆ Expanded internal storage capacity — 6GB maximum
- ◆ Additional supported devices:
 - External storage
 - Printing
- ◆ Reduced price for multiple-quantity, initial plant orders

Description	Purchase Price
TURBOWAYS 100 ATM Adapter	\$1,995
Fibre Channel Adapter/266	6,400
Block Multiplexer Channel Adapter	4,400
Block Multiplexer Channel Adapter Cable	700
Block Multiplexer Channel Cable Assembly	900
S/370 Channel Emulator/A	3,500
5080 Coax Communication Adapter	1,500
8-Port Async Adapter — EIA-422A	936
16-Port Async Adapter — EIA-422A	1,550
16-Port Interface Cable — EIA-422A	639
Media Bay Disk Drive Mounting Kit	10
Nonlocking Switch Select	0

Planned Availability Date: August 12, 1994

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Description

Additional supported devices options that attach to Model C10 include:

- 7134 Model 010 High Density SCSI Disk Subsystem
- 7319 Model 100 Fibre Channel Switch 16/266
- 3480 and 3490 Magnetic Tape Subsystems
- 3494 and 3495 Tape Library Dataservers
- 3995 Optical Library Dataservers
- 6094 Spaceball Model 30
- LAGO Systems LS/380L Datawheel 8 mm Tape Drive Library System
- Exabyte EXB-10e 8 mm Tape Cartridge Handling Subsystem
- 3825 Advanced Function Printer
- 3827 Advanced Function Printer
- 3828 Advanced Function Magnetic Ink Character Resolution (MICR) Printer
- 3829 Advanced Function Printer
- 3900 Advanced Function Printer
- 3916 Page Printer, models AS0, AS1, NS0, NS1
- 3930-02D and 02S Page Printer
- 3835-001 Advanced Function Printer
- 3835-002 Advanced Function Printer
- 4028-NS1, AS1 LaserPrinter

Product Positioning

These features and additional supported devices strengthen Model C10's position as a server in a wider variety of environments, including:

- Co-existence with S/390 processors via Block Multiplexer Channel connection.
- The attachment of S/390-class storage devices in downsizing applications via a number of connectivity options.
- The use of Model C10 in the highest-speed WANs, using the highest performance ATM or FCS adapters available.

Statement of General Direction

IBM intends to offer a higher-performance PowerPC microprocessor for the recently announced RISC System/6000 Models 41T and 41W graphics workstations and Model C10 compact server. IBM also intends to offer upgrades from existing Models 41T, 41W, and C10 to this higher-performance PowerPC microprocessor.

Publications

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

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

Education Support

Education to support the IBM RISC System/6000 hardware and related software is available to support 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

Software Requirements:

- TURBOWAYS 100 ATM Adapter — AIX® Version 3.2.5 for RISC System/6000 (the level, including updates, current at the time this feature is available). AIX software feature 5063 is also required. Refer to Hardware Announcement 194-100, dated May 24, 1994, for further information.
- IBM Fibre Channel Adapter/266 — AIX Version 3.2.5 for RISC System/6000 (the level, including updates, current at the time this feature is available). Refer to Hardware Announcement 194-157, dated May, 24, 1994, for further information.
- Block Multiplexer Channel Adapter — AIX Version 3.2.5 for RISC System/6000 (the level, including updates, current at the time this feature is available) and additional Program Temporary Fixes (PTF). Refer to the "Memo to Users" for details on installing these PTFs referenced in APAR number IX43380.
- S/370 Channel Emulator/A — AIX Version 3.2.5 for RISC System/6000 (the level, including updates, current at the time this feature is available).
- 5080 Coax Communication Adapter — AIX Version 3.2.5 for RISC System/6000 (at the level, including any updates, current at the time this feature is available).
- All other features in this announcement — AIX Version 3.2.5 for RISC System/6000 or IBM AIX Version 4, (the level, including updates, current at the time these features are available).

Planning Information

Cable Orders: Instructions specific to feature.

Security, Auditability, and Control

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

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

The AIX Support family includes:

- AIX Support Line — provides a team of IBM specialists as a single point of contact for usage questions and code-related problems.
- AIX Support Line Electronic — provides use of the IBM AIX Internet server to search technical data bases and submit problems or questions.
- AIX Associate — assigns an analyst to work remotely with you to become familiar with your specific systems and requirements.
- AIX ConsultLine — lets you schedule phone time with experts to address highly technical topics such as system design, performance evaluation, and in-depth communications.
- AIX Performance Management — provides automated performance data collection software that continually monitors your system and transmits results to performance experts for evaluation.
- AIX Technical Library — provides a library of service and support information on a CD-ROM, which is updated and distributed quarterly.
- AIX House Call — provides scheduled on-site assistance with such tasks as installation, problem assistance, software maintenance, and updates.
- AIX Alert — provides automatic notification of HIPER APARS or PE PTFs via fax, IBMLink™, or e-mail.
- AIX System Backup and Recovery/6000 “Sysback” V3 — allows backup and restoring of full system images, including multiple volume groups, files, directories, and raw logical volumes.
- RISC System/6000 Recovery Services — provides predefined systems to restore system operations following a failure.

For complete details on the AIX/6000™ Support Family services, call the AIX Support Family Project Office 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, new installations — No, model conversions

All other terms and conditions are the same as those applicable to the IBM RISC System/6000 system the feature is installed in.

Graduated Charges: Effective July 28, 1994, the Processor Group for the Model C10 is changed from the E5 Processor Group to the D5 Processor Group for software with graduated charges.

Charges			
Description	Feature Number	Purchase Price	MMMC¹
Machine Type 7009 Model Number C10:			
TURBOWAYS 100 ATM Adapter	2984	\$1,995	\$ 0
IBM Fibre Channel Adapter/266	1906	6,400	64
Block Multiplexer Channel Adapter	2755	4,400	73
Block Multiplexer Channel Adapter Cable	2757	700	0
Block Multiplexer Channel Cable Assembly	2758	900	0
S/370 Channel Emulator/A	2759	3,500	0
5080 Coax Communication Adapter	2840	1,500	0
8-Port Async Adapter — EIA — 422A	2940	936	0
16-Port Async Adapter — EIA — 422A	2957	1,550	0
16-Port Interface Cable EIA — 422A	2997	639	0
Media Bay Disk Drive Mounting Kit	6509	10	0
Non-Locking Switch Select	1101	0	0
1GB SCSI-2 Initial Order (Must order quantity of two)	3060	1,650	0
2GB SCSI-2 Initial Order (Must order quantity of two)	3062	2,950	0
2GB SCSI-2 Fast/Wide Initial Order (Must order quantity of two)	3064	2,950	0
1GB SCSI-2 Initial Order (Must order quantity of one)	3066	1,700	0
2GB SCSI-2 Initial Order (Must order quantity of one)	3067	3,100	0
2GB SCSI-2 Fast/Wide Initial Order (Must order quantity of one)	3068	3,100	0

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

Description	Feature Number	Purchase Price	MMMC ¹	Feature Removal Charge
Machine Type 7013				
52H, 55L, 570, 580, 58H, 590, 59H				
1GB SCSI-2 Initial Order (Must order quantity of two)	3060	\$1,650	\$0	\$116
1GB SCSI-2 Initial Order (Must order quantity of four)	3061	1,525	0	116
2GB SCSI-2 Initial Order (Must order quantity of two)	3062	2,950	0	116
2GB SCSI-2 Initial Order (Must order quantity of four)	3063	2,725	0	116
Machine Type 7013				
58H, 590, 59H				
2GB SCSI-2 Fast/Wide Initial Order (Must order quantity of four)	3065	2,725	0	116
Machine Type 7013				
58H, 590, 59H,				
Machine Type 7015				
R24				
2GB SCSI-2 Fast/Wide Initial Order (Must order quantity of two)	3064	2,950	0	116

¹ Minimum Monthly Maintenance Charge