



7204 9.1 and 18.2 GB External Disk Drive Models 409 and 419

Highlights

Formatted data capacity of 9.1 and 18.2 GB

Maximum media data transfer rate of 32 MB/sec (SCSI-2 Fast/Wide)

Average seek time of 7.5 ms

Rotational speed of 7200 RPM

Average latency of 4.17 ms

Self contained for easy upgrades or transporting

Multiple 7204 devices allowed for each system

Magnetoresistive (MR) head technology

SCSI-2 standard, SCSI-3 Fast-20 Wide, and LVD Fast-40 Wide attachment

Overview

Professionals who use IBM RS/6000* servers need easy-to-use, cost-effective ways to store and transport large amounts of data. Today, state-of-the-art drives provide low-cost add-on storage, with enhanced performance and reliability.

The IBM 7204 External Disk Drives are stand-alone devices that provide up to 9.1 GB (Model 409) and 18.2 GB (Model 419) of formatted capacity. With these drives, external disk storage can be added with an average latency of 4.17 milliseconds.



Improved performance

By taking advantage of the enhanced data transfer rate of the SCSI-3 Fast-20 Wide and LVD Fast-40 Wide adapters, the 7204 Models 409 and 419 provide higher transfer speeds for better storage performance than earlier 7204 models. The average seek time for the 7204 Models 409 and 419 is 7.5 milliseconds, with a maximum media data transfer rate of 32.0 MB/second.

Higher capacity

Increased data capacity enables you to add new application programs and expand the number and size of data files that are stored online and readily accessible.

The IBM 7204 External Disk Drives use a 68-pin LVD/SE interface and attach to the host RS/6000 via SCSI cable to a variety of SCSI Fast/Wide adapters. Multiple 7204 devices can be installed per system.

Media

To locate your nearest source for ordering IBM media for the 7204 Models 409 and 419, call the following numbers worldwide:

- 1-888-IBM-Media (1-888-426-6334) toll-free in the United States and Canada
- 1-972-881-0733 (x 7530) in Latin America
- 31-433-502-756 in Europe, the Middle East, and Africa
- 1-300-655-333 in Australia and New Zealand
- 3-3808-8486 in Japan

For more information

For more information, contact your IBM representative or your IBM Business Partner. Or visit www.ibm.com/storage.

**General**

Average random seek time	7.5 ms
Average latency	4.17 ms
Maximum media data transfer rate	32.0 MB/sec
Interface transfer rate	
SCSI-3 Fast-20 Wide	40.0 MB/sec
LVD Fast-40 Wide	80.0 MB/sec
Rotation speed	7,200 RPM
Formatted capacity	
Model 409	9.1 GB
Model 419	18.2 GB

SCSI device interface

Adheres to ANSI SCSI X3.131-1994 standards

RS/6000 attachment

This product can be attached to any of the following RS/6000 adapters:

- SCSI-2 Fast/Wide Adapter/A (FC 2415)
- SCSI-2 Fast/Wide PCI-Bus Adapter (FC 2408)
- PCI SCSI-2 Fast/Wide Single-Ended Adapter (FC 6208)
- PCI Ultra-2 SCSI LVD 64-bit Adapter (FC 6205)

Operating systems support

- IBM AIX* 4.1.4 or later
- IBM AIX 4.2.0 or later
- IBM AIX 4.3.0 or later

Dimensions

Width	250 mm (9.8 in.)
Height	60 mm (2.4 in.)
Depth	275 mm (10.8 in.)
Weight	3.5 kg (7.8 lb.)

Operating environment

Temperature	16° C to 32° C (60° F to 90° F)
Relative humidity	20% to 80%
Wet bulb (maximum)	23° C (73° F)

Power specifications

Electrical power	0.06 kVA
Voltage AC	100 to 125, or 200 to 240
Hertz	50 to 60
BTU average (watts)	95.1 BTU/hr (28 watts)
Maximum altitude	3,048 m (10,000 ft.)

Warranty

One year limited warranty

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