

IBM 7208-234 External 8mm Tape Drive

© IBM Corporation 2002

IBM U.S. Product Life Cycle Dates

Type Model	Announced	Available	Marketing Withdrawn	Service Discontinued	Replaced By
7208-234	1995/06/21	1995/06/30	1998/09/25	2003/12/31	None

Abstract

The IBM 7208 is an External 8-mm Tape Drive that provides additional function and enhancement capabilities to the AS/400 and RS/6000.

Model Abstract 7208-234

(For IBM US, No Longer Available as of September 25, 1998)

The IBM 7208-234 is a high-function, high-capacity, external 8mm tape subsystem used in applications requiring more single tape cartridge and total storage capacity than is available with the IBM 7208 Model 232 tape subsystem. The 7208-234 provides two 8mm tape drives within a single enclosure. It is read/write compatible with IBM 7208 Models 002, 012, 222, 232, and AS/400* Advanced Series feature #6390 (7 GB 8mm Cartridge Tape Unit) using the appropriate tape cartridges. The IBM 7208-234 attaches to the host AS/400 SCSI attachment feature via SCSI cable. The IBM 7208-234 is intended to complement the design of the AS/400 Advanced Series and is only available in Raven black color. The IBM 7208-234 provides: tape mirroring; automatic cascading from one drive to the other for extended unattended operation; and performance enhancing features including dual-host channels and off-line, host independent, functions (tape copy and compare). The IBM 7208-234 also incorporates a 16-character display for enhanced operational status and diagnostics and a 2-button panel to control operation of off-line functions. It attaches to the host AS/400 via SCSI cable. Additionally, an integrated label printer port is included to generate data cartridge labels when an optional label printer is connected. The IBM 7208-234 is a dual bus SCSI device that allows attachment to two separate AS/400 SCSI I/O ports. Each individual drive in a 7208-234 may act separately, allowing two individual data streams to be serviced without loss of flexibility. The IBM 7208-234 emulates an IBM 7208-012, and no new operating system or application programs are required to use this product. The 7208-234 has a capacity of up to 28 GB (14GB X 2) and a data transfer rate of up to 1 MB/second per port when using data compression(+). Native capacities are up to 7 GB of data per cartridge and a data transfer rate of up to 500 KB/second per port.

Highlights

- Is an external stand-alone tape-drive device.
- Attaches via SCSI cable.
- Uses an SCSI interface for attachment to RS/6000 (7208 models 001, 011, and 341), or uses a differential SCSI interface for attachment to AS/400 (7208 models 002, 012, 222, 232, 234 and 342).

Model Highlights 7208-234

Product Features:

Dual 7 GB (native) 8mm tape drives

- Dual-host attachment
- Front panel display and operator control switches
- Label printer port
- Raven Black color to complement AS/400 Advanced Series

On-line Modes:

- Cascade
- Mirroring
- Concurrent

Off-line Functions:

- Copy and compare
- Verify
- Erase

Description

On-line Modes

Three operation modes may be selected using the front panel of the IBM 7208-234.

- Cascade Mode

In cascade mode the IBM 7208-234 may use both cartridges for the same backup or restore job. Capacity reaches up to 28 GB (14GB x 2 with data compression) for any single tape job and does not require any special system software.

- Mirror Mode

When mirror mode is selected, two identical tape cartridges are created simultaneously. This facilitates off-site vaulting and similar disaster recovery requirements. Additionally, single-drive failures, such as defective media, will not impact completion of tape operation, thereby raising reliability of backup during a critical window.

- Concurrent Mode

When concurrent mode is selected, each drive acts like a single IBM 7208-012, but with up to 14 GB capacity (with data compression), thereby allowing two individual data streams to be serviced without loss of flexibility.

Off-Line Functions

The IBM 7208-234 can perform off-line tape storage functions not available with the IBM 7208-012 or 7208-222. These added off-line functions can be selected and controlled using the front panel of the of the IBM 7208-234. These functions do not require attaching the 7208-234 to a host computer system.

- Copy Function

The copy function creates a second copy of a previously recorded tape cartridge.

- Compare Function

The compare function checks for the exact agreement between two copies of the same data. The user is notified of any differences.

- Verify Function

The verify function reads a tape cartridge searching for tape media errors. This function permits the verification of the quality of the data on a previously recorded tape cartridge without using a host computer system.

- Erase Function

The erase function magnetically erases all the information on a tape cartridge. The erase process allows sensitive data to be removed from a tape cartridge.

Product Features

- Dual-host attachment (F/C 2503) (For IBM US, No Longer Available as of June 25, 1999)

Allows connections to two host systems thereby allowing customers to minimize the quantity of peripherals purchased. The integrated controller allows each host port to appear as an individual IBM 7208-234. All enhanced functions (mirroring, cascading, etc.) are available to both host ports, managed intelligently by the integrated controller.

Alternatively, customers may attach both tape subsystem ports to separate AS/400 SCSI I/O ports on the same host system and thereby facilitate two simultaneous tape jobs operating concurrently to the separate drives, decreasing overall backup time, but without losing cartridge compatibility with IBM 7208-012 or 222 if desired.

- Front Panel Display and Operator Control Switches

The IBM 7208-234 has a front panel display and operator control switches. The high-resolution 16 character back lighted LCD display permits the operator to view the tape

drive status during operation. Two operator control switches allow the selection of operations and configuration modes from a simple menu format.

The status messages during write and read operations show the amount of data written or read during that operation. This allows the operator to observe the operation progress. The status messages also include operator prompts for loading the tape cartridge and for drive cleaning.

Used together, the front panel display and operator control switches permit the viewing and selection of menu items. This permits the selection of the on-line modes of operation, and the selection and control of the off-line functions. The display and operator control switches also permit the use of diagnostic support operations for service.

- Label Printer Port

An integrated RS-232 port is preconfigured for label generation when an optional label printer is attached. High-contrast, high-resolution labels containing Volume IDs, copy identifiers, and user-defined data fields simplify tape inventory management.

The IBM 7208-234 is a high-function, high-capacity, external 8mm tape subsystem used in applications requiring more single tape cartridge and total storage capacity than is available with the IBM 7208 Model 232 tape subsystem.

The 7208-234 provides two 8mm tape drives within a single enclosure. It is read/write compatible with IBM 7208 Models 002, 012, 222, 232, and AS/400* Advanced Series feature #6390 (7 GB 8mm Cartridge Tape Unit) using the appropriate tape cartridges. The IBM 7208-234 attaches to the host AS/400 SCSI attachment feature via SCSI cable. The IBM 7208-234 is intended to complement the design of the AS/400 Advanced Series and is only available in Raven black color.

The IBM 7208-234 provides:

- Tape mirroring
- Automatic cascading from one drive to the other for extended unattended operation
- Performance enhancing features including dual-host channels and off-line, host independent, functions (tape copy and compare)

The IBM 7208-234 also incorporates a 16-character display for enhanced operational status and diagnostics and a 2-button panel to control operation of off-line functions. It attaches to the host AS/400 via SCSI cable. Additionally, an integrated label printer port is included to generate data cartridge labels when an optional label printer is connected.

The IBM 7208-234 is a dual bus SCSI device that allows attachment to two separate AS/400 SCSI I/O ports. Each individual drive in a 7208-234 may act separately, allowing two individual data streams to be serviced without loss of flexibility.

The IBM 7208-234 emulates an IBM 7208-012, and no new operating system or application programs are required to use this product.

The 7208-234 has a capacity of up to 28 GB (14GB X 2) and a data transfer rate of up to 1 MB/second per port when using data compression(+). Native capacities are up to 7 GB of data per cartridge and a data transfer rate of up to 500 KB/second per port.

Product Positioning

The 7208-234 is a high-function, high-capacity product designed to be used in place of, or in addition to, regular 7208-012, 7208-222, or 7208-232 applications. The 7208-234 features mirroring, cascading, performance enhancing features such as dual-host attachment and off-line host independent functions (tape copy and compare) that are not available on the 7208-012 or 222. The 7208-234 also incorporates a 16-character display used to display enhanced operational status, diagnostics and, in concert with a 2-button panel, to control operation of off-line functions. The 7208-234 attaches to the host AS/400* SCSI attachment feature via SCSI cable and is read/write compatible with 7208 models 002, 012, 222, 232, and AS/400 Advanced Series feature (#6390), using appropriate tape cartridges. Additionally, an integrated label printer port is included to generate data cartridge labels when an optional label printer is connected.

The 7208-234 is a dual-bus SCSI device that allows attachment to two separate AS/400 SCSI I/O ports. Each individual drive in the dual drive 7208-234 may act as a single 7208-012 thereby allowing two individual data streams to be serviced without loss of flexibility. The dual drive 7208-234 has more than double the capacity of a 7208-222, up to 28 GB of data with data compression(+). The 7208-234 tape subsystem increases the available capacity compared to the 7208-232 tape subsystem through the use of higher capacity tape cartridge (14 GB typical with data compression compared with 10 GB typical with 7208-012 and 7208-232).

The 7208-234 appears as a 7208-012 to the AS/400, and no new operating system or application programs are required to make use of the new capabilities of this product. (See specific hardware requirements, software requirements, and limitations below.)

Model

Model Summary Matrix

Model	Attaches to	Media Capacity (Cartrdg)	Effective Capacity	Data Transfer Rate	Effective Transfer Rate
234	AS/400	7.0GB	28.0GB	500KB/sec	1MB/sec

Maximum

Not applicable.

Customer Setup (CSU)

No.

Devices Supported

None.

Model Conversions

None.

Technical Description

The 7208-234 is a high function, high capacity product designed to be used in place of or in addition to regular 7208-012, 7208-222, or 7208-232 applications. The 7208-234 features mirroring, cascading, performance enhancing features such as dual-host attachments and off-line, host-independent, functions (tape copy and compare) that are not available on the 7208-012 or 222. The 7208-234 also incorporates a 16 character display used to display enhanced operational status, diagnostics and, in concert with a 2 button panel, to control operation of off-line functions. The 7208-234 attaches to the host AS/400* SCSI attachment feature via SCSI cable and is read/write compatible with 7208 models 002, 012, 222, 232, and AS/400 Advanced Series feature (#6390), using appropriate tape cartridges. Additionally, a integrated label printer port is included to generate data cartridge labels when an optional label printer is connected.

The 7208-234 is a dual bus SCSI device that allows attachment to two separate AS/400 SCSI I/O ports. Each individual drive in the dual drive 7208-234 may act as a single 7208-012 thereby allowing two individual data streams to be serviced without loss of flexibility. The dual drive 7208-234 has more than double the capacity of a 7208-222, up to 28 GB of data with data compression. The 7208-234 tape subsystem increases the available capacity compared to the 7208-232 tape subsystem through the use of higher capacity tape cartridge (14 GB typical with data compression compared with 10 GB typical with 7208-012 and 7208-232).

The 7208-234 appears as a 7208-012 to the AS/400 and no new operating system or application programs are required to make use of the new capabilities of this product.

Physical Specifications

- Width: 280 mm (11.0 inches)
- Depth: 295 mm (11.5 inches)
- Height: 145 mm (5.7 inches)
- Weight: 7.3 kg (16.0 pounds)

Operating Environment

Temperature: 16 to 32 degrees C (60 to 90 degrees F)

Relative Humidity: 20 to 80 percent non-condensing

Wet Bulb: 23.0C (73F) maximum

Electrical power: 0.1 KVA

Noise Level: 5.5 bels idle; 54 dBA (5.8 bels) operating

U.S.A. FCC Class: A

Japan VCCI: 1

CISPR-22 Class: A

Limitations

The 7208 Model 234 attached to the AS/400 is supported via emulation of earlier models of the 7208. The following are the limitations of this support:

- For AS/400 models with OS/400 Version 2 Release 3 or later:
 - The 7208 model 234 will configure as a 7208 model 012.
 - Data written to the model 234 using the OS/400 defaults will be written in 5.0 GB format. If 160 meter tape cartridges are used they will appear as 5 GB native capacity tape cartridges to the host computer system (7.0 GB native capacity can still be achieved, when these larger capacity tapes are used).
 - OS/400 Problem analysis (WRKPRB, ANZPRB, VFYTAP) will direct the user to 7208-012 documentation.
- For AS/400 models with OS/400 Version 2, Release 2:
 - The 7208 model 234 will configure as a 7208 model 002.
 - Data written to the model 234 using the OS/400 defaults will be written in 5.0 GB format (7.0 GB with 160 meter tape cartridges).
 - Writing data in 2.3 GB format can be accomplished if the media is first initialized in 2.3 GB format on a 7208-002 tape drive.
 - OS/400 Problem analysis (WRKPRB, ANZPRB, VFYTAP) will direct the user to 7208-002 documentation.
 - If data compression is selected, both IOP compression (HDC) and device compaction (IDRC) will be enabled, unless previously written 2.3 GB media is used, then HDC only is available.
- Additional 7208 tape storage units can not be attached to the dual drive 7208-234.
- Alternate IPL is supported on all AS/400 models except the 9401 models, 9402 models D04 and D06, 9404 models B, C, D10 and D20, and 9406 B models.
- As with other removable magnetic media, customers should implement a tape inventory management system to protect against the loss of data or archived information. The 8mm tape cartridge should be replaced after any one point on the tape has made 500 passes over the tape head. Shelf life (age of the tape) is estimated to be four years. The customer should adhere to the following guidelines:
 - Do not store or use a cartridge for more than four years.
 - Discard data cartridges that are older than four years.
- 160-meter data cartridges written on the 7208-234 can be read or written on the 7208-222 or the AS/400 Advances Series Feature #6390 (7 GB 8mm Cartridge Tape Unit). The 160-meter data cartridges written on the 7208-234 cannot be read or written on 7208 Models 002, 012, or 232. Tapes written on 7208 Models 002, 012, and 232 can be read and written by the 7208-234 which provides interchange of data between all 7208 models and the AS/400 Advanced Series Feature #6390 (7 GB 8mm Cartridge Tape Unit).

Hardware Requirements

The 7208-234 attaches to the host AS/400, including the 2XX, 3XX, and the new 4XX and 5XX AS/400 Advanced Systems, via SCSI cable to the Removable Media Device Attachment (#2621). Up to two external devices can be attached per #2621.

The 7208 can also attach to the AS/400 Magnetic Media Controller (#6534) or the PCI Magnetic Media Controller (#2729) with cable features 9151, 9180, or 9181 (or MES features 2875, 2901, or 2902). Each tape drive must be separately attached as each adapter has only one port.

Software Requirements

For AS/400 models (except 9401 Models) with OS/400* Version 2, Release 3 or later, the 7208-234 emulates the 7208-012. Attachment to AS/400 9406 B models is via Magnetic Storage

Device feature (#2611) using RPQ 841990 and OS/400 Version 2 Release 2. For AS/400 Models using OS/400 Version 2 Release 2, the 7208-234 emulates a 7208-002, and RPQ 843782 is required.

Publications

FBM: 21H2397 PUB GROUP -- ENGLISH/US (F/C 9300)
 B/M: 21H2398 MANUAL KIT

1	21H2381	SA26-7003-1	External Devices Safety	-----	Translated
1	7365112	SA21-9885-0	1 1/2" Binder	-----	English
1	21H2400	SA26-7105-1	Installation Guide	-----	English
1	21H2399	SA26-7104-1	Operator Guide	-----	English
1	21H2401	SA26-7106-1	Service Guide	-----	English
1	21H2402	SA26-7119-1	Binder Insert	-----	English

Features -- Specify/Special/Exchange

No Charge Specify Codes

SCSI Attachment Cables:

SCSI System to Device (4 meter)	9834 (IPO)
	3234
(IPO/MES)	
(For IBM US, No Longer Available as of June 25, 1999)	
SCSI System to Device (12 meter)	9836 (IPO)
	3236
(IPO/MES)	
(For IBM US, No Longer Available as of June 25, 1999)	
SCSI System to Device (20 meter)	9846 (IPO)
	3246
(IPO/MES)	
(For IBM US, No Longer Available as of June 25, 1999)	
Dual Host Attach Feature	2503
(IPO/MES)	
Publications	(See below)
Power Cords	(See below)

Cables

One SCSI System-to-device cable is included and must be specified on the initial plant order. The SCSI system-to-device cable is available in three different lengths. The four-meter cable (specify code 9834) is recommended if the 7208-234 is located in close proximity of the CPU. Additional cables can be ordered as MES or on Initial Plant Order.

SPECIFY CODE (IPO)	LENGTH	SPECIFY MES/IPO
-----	-----	-----
9834	4 meter (13.1 feet)	3234

9836	12 meter (39.3 feet)	3236
9846	20 meter (65.6 feet)	3246
SPECIFY		SPECIFY
CODE (IPO)	LENGTH	MES/IPO
-----	-----	-----
Features for attachment to AS/400 IOP features #6534 or #2729:		
9151	1 meter (3 foot) cable	2875
9180	4 meter (13 foot) cable	2901
9181	12 meter (39 foot) cable	2902

With the Dual Host Feature (#2503), the 7208-234 can be attached to two different host systems. One Port (Port A) of the 7208-234 can be attached to a port on one AS/400 system. The other Port (Port B) of the 7208-234 can be attached to a port on an entirely different AS/400 system.

Note: Use of both host attachment ports of the 7208 Model 234 requires two SCSI system-to-device cables. Additional SCSI system-to-device cables can be ordered using the preceding MES Specify codes.

Power Cord

The appropriate power cord will automatically be supplied based on a three-digit country code. If other than the country code default option is required, specify one of the following:

Specify code	Description	
-----	-----	-----
9800	9 foot (2.7M) power cord, 125V, 15A	US/Canada
9986	6 foot (1.8M) power cord, 125V, 15A	US/Canada
9080	9 foot (2.7M) Watertight power, 125V, 15A	US/Canada
9986 9080	6 foot (1.8M) Watertight power, 125V, 15A	US/Canada
9830	9 foot (2.7M) power cord, 250V, 10A, 16A	Italy
9825	9 foot (2.7M) power cord, 250V, 13A	United Kingdom
9821	9 foot (2.7M) power cord, 250V, 11A	Denmark
9820	9 foot (2.7M) power cord, 250V, 16A (AC)	France
9827	9 foot (2.7M) power cord, 250V, 6-16A	Israel
9828	9 foot (2.7M) power cord, 255V, 10A	Switzerland
9829	9 foot (2.7M) power cord, 250V, 16A	South Africa
9831	9 foot (2.7M) power cord, 250V, 10A	Australia
9833	9 foot (2.7M) power cord, 250V, 15A	US/Canada

ORDERING COUNTRY

C/C	COUNTRY	GROUP	OPTION CODE
----	-----	----	-----
DOM	United States	DOM	9800
613	Argentina	IBM LA	9831
619	Bahamas	IBM LA	9800
621	Barbados	IBM LA	9800
627	Bermuda	IBM LA	9800
629	Bolivia	IBM LA	9800
649	Canada	IBM LA	9800
647	Cayman Islands	IBM LA	9800
655	Chile	IBM LA	9830
661	Colombia	IBM LA	9800
663	Costa Rica	IBM LA	9800
681	Dominican Republic	IBM LA	9800
829	El Salvador	IBM LA	9800

683	Ecuador	IBM LA	9800
731	Guatemala	IBM LA	9800
640	Guyana	IBM LA	9800
733	Haiti	IBM LA	9800
735	Honduras	IBM LA	9800
759	Jamaica	IBM LA	9800
781	Mexico	IBM LA	9800
791	Netherlands Antilles	IBM LA	9820
811	Panama	IBM LA	9800
815	Peru	IBM LA	9800
843	Surinam	IBM LA	9800
859	Trinidad	IBM LA	9800
869	Uruguay	IBM LA	9834
871	Venezuela	IBM LA	9800
616	Australia	AP	9831
615	Bangladesh	AP	9829
631	Brazil	AP	9800
643	Brunei	AP	9825
651	China Mainland	AP	9820
672	Peoples Rep. Of China	AP	9825
699	Fiji	AP	9825
732	Guinea	AP	9820
738	Hong Kong	AP	9825
744	India	AP	9825
749	Indonesia	AP	9820
760	Japan	AP	9800
761	Japan (PDS)	AP	9800
766	Korea	AP	9800
738	Macau	AP	9825
778	Malaysia	AP	9825
646	Myanmar (Burma)	AP	9829
796	New Zealand	AP	9831
799	Nicaragua	AP	9800
813	Paraguay	AP	9820
818	Philippines	AP	9800
834	Singapore	AP	9825
652	Sri Lanka	AP	9829
858	Taiwan	AP	9800
856	Thailand	AP	9833
871	Venezuela	AP	9800
852	Vietnam	AP	9800
610	Angola	EMEA	9820
612	Algeria	EMEA	9820
618	Austria	EMEA	9820
620	Bahrain (NE0)	EMEA	9825
624	Belgium	EMEA	9820
699	Bosnia	EMEA	9820
	Botswana	EMEA	9820
644	Bulgaria	EMEA	9820
650	Cameroon	EMEA	9820
654	Central Africa Rep	EMEA	9820
656	Chad	EMEA	9820
668	Czechoslovakia	EMEA	9820
664	Congo	EMEA	9820
704	Croatia	EMEA	9820
666	Cyprus	EMEA	9825
678	Denmark	EMEA	9821

865	Egypt	EMEA	9820
698	Ethiopia	EMEA	9830
702	Finland	EMEA	9820
706	France	EMEA	9820
682	German Dem. Rep. East	EMEA	9820
724	Germany, West	EMEA	9820
723	Germany, West (PDS)	EMEA	9820
725	Ghana	EMEA	9825
726	Greece	EMEA	9820
740	Hungary	EMEA	9820
742	Iceland	EMEA	9820
752	Iraq	EMEA	9825
750	Iran	EMEA	9820
754	Ireland	EMEA	9825
756	Israel	EMEA	9827
758	Italy	EMEA	9830
757	Ivory Coast	EMEA	9820
762	Jordan	EMEA	9825
764	Kenya	EMEA	9825
767	Kuwait	EMEA	9825
768	Lebanon	EMEA	9820
770	Liberia	EMEA	9820
772	Libya	EMEA	9830
773	Luxembourg	EMEA	9820
705	Macedonia	EMEA	9820
774	Malagasy Republic (Madagascar)	EMEA	9820
769	Malawi	EMEA	9825
776	Mali	EMEA	9820
780	Malta	EMEA	9830
782	Mauritius	EMEA	9820
783	Mauritania	EMEA	9820
784	Morocco	EMEA	9820
786	Mozambique	EMEA	9820
790	Nepal	EMEA	9830
788	Netherlands	EMEA	9820
803	Niger	EMEA	9820
802	Nigeria	EMEA	9825
806	Norway	EMEA	9820
805	Oman (Sult)	EMEA	9825
808	Pakistan	EMEA	9829
820	Poland	EMEA	9820
822	Portugal	EMEA	9820
823	Qatar	EMEA	9825
826	Romania	EMEA	9820
832	Saudi Arabia	EMEA	9800
824	Senegal	EMEA	9820
707	Serbia	EMEA	9820
833	Sierra Leone	EMEA	9830
708	Slovenia	EMEA	9820
835	Somalia	EMEA	9830
864	South Africa	EMEA	9829
838	Spain	EMEA	9820
842	Sudan	EMEA	9820
846	Sweden	EMEA	9820
848	Switzerland	EMEA	9828
850	Syria Arab Republic	EMEA	9820

851	Tanzania	EMEA	9825
840	Tunisia	EMEA	9820
862	Turkey	EMEA	9820
857	Uganda	EMEA	9825
853	Upper Volta	EMEA	9820
821	U.S.S.R	EMEA	9820
680	United Arab Emirates	EMEA	9825
866	United Kingdom	EMEA	9825
662	Zaire	EMEA	9820
825	Zimbabwe	EMEA	9820
883	Zambia	EMEA	9825

Publications

Publications are included with the hardware. Specify code 9300 (US English only) must be used.

Publication Specify -----	Specify Code Description -----
9300	US English

Special Handling Specify Code

(#5014) SSD Express Shipment

Specify this no charge feature at the time of the initial plant order to receive direct customer shipment, bypassing the consolidation center. Direct shipping allows delivery directly to customer within four (4) business days after receipt of the order. This feature is available for shipments in the continental U.S. only.

Special Feature Codes -- Chargeable

The following SCSI cables can be ordered as additional cables with the initial plant order or via an MES.

- #2875 for a 1 meter (3 foot) SCSI cable for attachment to AS/400 IOP features #6534 or #2729 (For IBM US, No Longer Available as of June 25, 1999)
- #2901 for a 4 meter (13 foot) SCSI cable for attachment to AS/400 IOP features #6534 or #2729 (For IBM US, No Longer Available as of June 25, 1999)
- #2902 for a 12 meter (39 foot) SCSI cable for attachment to AS/400 IOP features #6534 or #2729 (For IBM US, No Longer Available as of June 25, 1999)

Maximum: None. Plant or Field Installable.

Feature Exchanges

None.

Accessories

None.

Customer Replacement Parts

None.

Machine Elements

None.

Supplies

The part numbers for additional supplies are:

Supply Item	Part Number
-----	-----
One 8mm 160 meter 7GB Data Cartridge	87G1601
One 8mm 112 meter 5GB Data Cartridge	21F8575
One 8mm Cleaning Cartridge	16G8467

For additional media supplies refer to:

- <http://www.storage.ibm.com/media>

or contact the appropriate distributor for your location as given below:

To purchase IBM-branded media and media supplies, call 1-888-IBM- MEDIA in the U.S. and Canada, or go to:

- <http://www.storage.ibm.com/media>

Diskettes

None.

Trademarks

(R), (TM), * Trademark or registered trademark of International Business Machines Corporation.

** Company, product, or service name may be a trademark or service mark of others.

Windows is a trademark of Microsoft Corporation.

File Last Updated on June 10, 2002

