

IBM Ultrium 9 18 TB Data Cartridge models 553 and 653 deliver increased capacity than previous generation LTO Ultrium cartridges

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At a glance

IBM^(R) 3589 Ultrium^(R) tape cartridges provide the ability to order IBM Ultrium 9 18 TB data cartridges with the following features:

- Color-coding and prelabeling with the ability to specify a starting volume serial to help save time and labor when adding new cartridges into existing inventory
- Individual jewel cases or bulk packaging
- Cartridge memory built into every data cartridge to help enhance functionality and media reliability by storing access history and media performance information for use by the tape drive every time the cartridge is accessed
- Half-inch particle tape with 18 TB native capacity in a single cartridge

Overview

IBM Ultrium 9 18 TB data cartridges deliver flexibility in the specification and ordering of prelabeled and bulk packaged data cartridges for the IBM Linear Tape-Open^(R) (LTO^(R)) Ultrium family of products. Shipping with or without jewel cases can also be specified when prelabeled cartridges are ordered.

Ultrium tape format is the implementation of LTO technology that is designed to provide high capacity and performance with exceptional reliability in either a stand-alone or automated environment. It uses a single-reel cartridge and is ideal for large volume backup, restore, and archive applications.

New models of 3589 are available to be ordered with Ultrium 9 18 TB data cartridges. The Ultrium 9 18 TB LTO format delivers tape cartridge capacities of up to 18 TB native physical capacity (45 TB with 2.5 to 1 compression). These cartridges can be used in IBM LTO Ultrium 9 tape drives, the ninth-generation LTO Ultrium tape drive in the IBM LTO Ultrium family of products.

An Ultrium LTO-9 5-pack plain data cartridge option is also available.

Key requirements

This product is only for use with Ultrium 9 tape drives.

Planned availability date

Description

3589 Ultrium tape cartridges provide the ability to order pre-labeled or bulk-packaged IBM Ultrium 9 18 TB data cartridges, IBM Ultrium cleaning cartridges, and IBM Ultrium 18 TB tape cartridges.

The 3589 models (553 and 653) deliver tape cartridge capacity with up to 18 TB native capacity, 45 TB with 2.5 to 1 compression. These cartridges can be used in IBM LTO Ultrium 9 tape drives, the ninth-generation LTO Ultrium tape drive in the IBM LTO Ultrium family of products:

- Model 553 -IBM Ultrium 9 18 TB Data Cartridge in a 20-pack are labeled with starting volume serial information and optionally packed in individual jewel cases
- Model 653 -IBM Ultrium 9 18 TB Data Cartridge in a 20-pack or a 5-pack are optionally packed in individual jewel cases

Features of Ultrium 9 18 TB data cartridges include:

- 18 TB native capacity in a single compact cartridge
- Cartridge memory built into every data cartridge for enhanced functionality and media reliability by storing access history and media performance information for use by the tape drive every time the cartridge is accessed
- Color coding and prelabeling with the ability to specify a starting volume serial saves time and labor when adding new cartridges into your existing inventory
- Shipping without jewel cases unless otherwise specified, when pre-labeled cartridges are ordered
- Optional Ultrium LTO-9 5-pack plain data cartridge

Note: For optimum reliability, use IBM 3589 Ultrium tape cartridges that conform to IBM specifications.

Ultrium 9 18 TB WORM tape cartridges can be ordered through the following remarketers:

- Accutech Data Supplies
 - Phone: 800-759-3001
 - Website: www.accutechdata.com
- Dexxon Digital Storage
 - Phone: 740-548-7179
 - Website: www.digitalstorage.com

To place an order, use the following product numbers:

Description	Part number
IBM LTO-9 WORM Labeled	02XW569L
IBM LTO-9 WORM	02XW569

IBM tape media remarketers provide LTO barcode label services. Barcode labels can be requested when placing an order. For guidance with labeling services, request an *IBM LTO Ultrium VOLSER Label Order Guide* from any IBM Remarketer or IBM tape media reseller.

Ultrium 9 18 TB RFID labeled tape cartridges can be ordered through the following remarketers:

- Accutech Data Supplies

- Phone: 800-759-3001
- Website: www.accutechdata.com

Additional product information and deliverables can be found on the [IBM Storage Media](#) website.

Reference information

For complete details about LTO Ultrium 9 family of products, see Hardware Announcement IBM TS4500 Tape Library supports LTO Ultrium 9, [121-069](#), dated September 7, 2021.

Product number

The following are newly announced features and models on the specified models of the IBM System Storage 3589 machine type:

Description	Machine type	Model	Feature
IBM 3589 18 TB Ultrium Tape Cartridge Labeled Model 553	3589	553	
TAA Compliance	3589	553	0983
18 TB Ultrium 9 Tape Cartridge Labeled 20-pack	3589	553	5503
JEWEL CASE	3589	553	8000
ALPHA PREFIX BKGRD - RED	3589	553	9003
ALPHA PREFIX BKGRD - YELLOW	3589	553	9004
ALPHA PREFIX BKGRD - LT GREEN	3589	553	9005
ALPHA PREFIX BKGRD - LT BLUE	3589	553	9006
ALPHA PREFIX BKGRD - GRAY	3589	553	9007
ALPHA PREFIX BKGRD - ORANGE	3589	553	9008
ALPHA PREFIX BKGRD - PINK	3589	553	9009
ALPHA PREFIX BKGRD - GREEN	3589	553	9010
ALPHA PREFIX BKGRD - LT ORANGE	3589	553	9011
ALPHA PREFIX BKGRD - PURPLE	3589	553	9012
LABEL BKGRD: COLOR/VIBRANT	3589	553	9022
LABEL BKGRD: WHITE (NO COLOR)	3589	553	9077
Label Background: UniColor	3589	553	9097
1ST CHAR OF VOLSER =0	3589	553	9100
1ST CHAR OF VOLSER =1	3589	553	9101

Description	Machine type	Model	Feature
1ST CHAR OF VOLSER =2	3589	553	9102
1ST CHAR OF VOLSER =3	3589	553	9103
1ST CHAR OF VOLSER =4	3589	553	9104
1ST CHAR OF VOLSER =5	3589	553	9105
1ST CHAR OF VOLSER =6	3589	553	9106
1ST CHAR OF VOLSER =7	3589	553	9107
1ST CHAR OF VOLSER =8	3589	553	9108
1ST CHAR OF VOLSER =9	3589	553	9109
1ST CHAR OF VOLSER =A	3589	553	9110
1ST CHAR OF VOLSER =B	3589	553	9111
1ST CHAR OF VOLSER =C	3589	553	9112
1ST CHAR OF VOLSER =D	3589	553	9113
1ST CHAR OF VOLSER =E	3589	553	9114
1ST CHAR OF VOLSER =F	3589	553	9115
1ST CHAR OF VOLSER =G	3589	553	9116
1ST CHAR OF VOLSER =H	3589	553	9117
1ST CHAR OF VOLSER =I	3589	553	9118
1ST CHAR OF VOLSER =J	3589	553	9119
1ST CHAR OF VOLSER =K	3589	553	9120
1ST CHAR OF VOLSER =L	3589	553	9121
1ST CHAR OF VOLSER =M	3589	553	9122
1ST CHAR OF VOLSER =N	3589	553	9123
1ST CHAR OF VOLSER =O	3589	553	9124
1ST CHAR OF VOLSER =P	3589	553	9125
1ST CHAR OF VOLSER =Q	3589	553	9126
1ST CHAR OF VOLSER =R	3589	553	9127
1ST CHAR OF VOLSER =S	3589	553	9128
1ST CHAR OF VOLSER =T	3589	553	9129
1ST CHAR OF VOLSER =U	3589	553	9130
1ST CHAR OF VOLSER =V	3589	553	9131
1ST CHAR OF VOLSER =W	3589	553	9132

Description	Machine type	Model	Feature
1ST CHAR OF VOLSER =X	3589	553	9133
1ST CHAR OF VOLSER =Y	3589	553	9134
1ST CHAR OF VOLSER =Z	3589	553	9135
2ND CHAR OF VOLSER =0	3589	553	9200
2ND CHAR OF VOLSER =1	3589	553	9201
2ND CHAR OF VOLSER =2	3589	553	9202
2ND CHAR OF VOLSER =3	3589	553	9203
2ND CHAR OF VOLSER =4	3589	553	9204
2ND CHAR OF VOLSER =5	3589	553	9205
2ND CHAR OF VOLSER =6	3589	553	9206
2ND CHAR OF VOLSER =7	3589	553	9207
2ND CHAR OF VOLSER =8	3589	553	9208
2ND CHAR OF VOLSER =9	3589	553	9209
2ND CHAR OF VOLSER =A	3589	553	9210
2ND CHAR OF VOLSER =B	3589	553	9211
2ND CHAR OF VOLSER =C	3589	553	9212
2ND CHAR OF VOLSER =D	3589	553	9213
2ND CHAR OF VOLSER =E	3589	553	9214
2ND CHAR OF VOLSER =F	3589	553	9215
2ND CHAR OF VOLSER =G	3589	553	9216
2ND CHAR OF VOLSER =H	3589	553	9217
2ND CHAR OF VOLSER =I	3589	553	9218
2ND CHAR OF VOLSER =J	3589	553	9219
2ND CHAR OF VOLSER =K	3589	553	9220
2ND CHAR OF VOLSER =L	3589	553	9221
2ND CHAR OF VOLSER =M	3589	553	9222
2ND CHAR OF VOLSER =N	3589	553	9223
2ND CHAR OF VOLSER =O	3589	553	9224
2ND CHAR OF VOLSER =P	3589	553	9225
2ND CHAR OF VOLSER =Q	3589	553	9226
2ND CHAR OF VOLSER =R	3589	553	9227

Description	Machine type	Model	Feature
2ND CHAR OF VOLSER =S	3589	553	9228
2ND CHAR OF VOLSER =T	3589	553	9229
2ND CHAR OF VOLSER =U	3589	553	9230
2ND CHAR OF VOLSER =V	3589	553	9231
2ND CHAR OF VOLSER =W	3589	553	9232
2ND CHAR OF VOLSER =X	3589	553	9233
2ND CHAR OF VOLSER =Y	3589	553	9234
2ND CHAR OF VOLSER =Z	3589	553	9235
3RD CHAR OF VOLSER =0	3589	553	9300
3RD CHAR OF VOLSER =1	3589	553	9301
3RD CHAR OF VOLSER =2	3589	553	9302
3RD CHAR OF VOLSER =3	3589	553	9303
3RD CHAR OF VOLSER =4	3589	553	9304
3RD CHAR OF VOLSER =5	3589	553	9305
3RD CHAR OF VOLSER =6	3589	553	9306
3RD CHAR OF VOLSER =7	3589	553	9307
3RD CHAR OF VOLSER =8	3589	553	9308
3RD CHAR OF VOLSER =9	3589	553	9309
3RD CHAR OF VOLSER =A	3589	553	9310
3RD CHAR OF VOLSER =B	3589	553	9311
3RD CHAR OF VOLSER =C	3589	553	9312
3RD CHAR OF VOLSER =D	3589	553	9313
3RD CHAR OF VOLSER =E	3589	553	9314
3RD CHAR OF VOLSER =F	3589	553	9315
3RD CHAR OF VOLSER =G	3589	553	9316
3RD CHAR OF VOLSER =H	3589	553	9317
3RD CHAR OF VOLSER =I	3589	553	9318
3RD CHAR OF VOLSER =J	3589	553	9319
3RD CHAR OF VOLSER =K	3589	553	9320
3RD CHAR OF VOLSER =L	3589	553	9321
3RD CHAR OF VOLSER =M	3589	553	9322

Description	Machine type	Model	Feature
3RD CHAR OF VOLSER =N	3589	553	9323
3RD CHAR OF VOLSER =O	3589	553	9324
3RD CHAR OF VOLSER =P	3589	553	9325
3RD CHAR OF VOLSER =Q	3589	553	9326
3RD CHAR OF VOLSER =R	3589	553	9327
3RD CHAR OF VOLSER =S	3589	553	9328
3RD CHAR OF VOLSER =T	3589	553	9329
3RD CHAR OF VOLSER =U	3589	553	9330
3RD CHAR OF VOLSER =V	3589	553	9331
3RD CHAR OF VOLSER =W	3589	553	9332
3RD CHAR OF VOLSER =X	3589	553	9333
3RD CHAR OF VOLSER =Y	3589	553	9334
3RD CHAR OF VOLSER =Z	3589	553	9335
4TH CHAR OF VOLSER =0	3589	553	9400
4TH CHAR OF VOLSER =1	3589	553	9401
4TH CHAR OF VOLSER =2	3589	553	9402
4TH CHAR OF VOLSER =3	3589	553	9403
4TH CHAR OF VOLSER =4	3589	553	9404
4TH CHAR OF VOLSER =5	3589	553	9405
4TH CHAR OF VOLSER =6	3589	553	9406
4TH CHAR OF VOLSER =7	3589	553	9407
4TH CHAR OF VOLSER =8	3589	553	9408
4TH CHAR OF VOLSER =9	3589	553	9409
4TH CHAR OF VOLSER =A	3589	553	9410
4TH CHAR OF VOLSER =B	3589	553	9411
4TH CHAR OF VOLSER =C	3589	553	9412
4TH CHAR OF VOLSER =D	3589	553	9413
4TH CHAR OF VOLSER =E	3589	553	9414
4TH CHAR OF VOLSER =F	3589	553	9415
4TH CHAR OF VOLSER =G	3589	553	9416
4TH CHAR OF VOLSER =H	3589	553	9417

Description	Machine type	Model	Feature
4TH CHAR OF VOLSER =I	3589	553	9418
4TH CHAR OF VOLSER =J	3589	553	9419
4TH CHAR OF VOLSER =K	3589	553	9420
4TH CHAR OF VOLSER =L	3589	553	9421
4TH CHAR OF VOLSER =M	3589	553	9422
4TH CHAR OF VOLSER =N	3589	553	9423
4TH CHAR OF VOLSER =O	3589	553	9424
4TH CHAR OF VOLSER =P	3589	553	9425
4TH CHAR OF VOLSER =Q	3589	553	9426
4TH CHAR OF VOLSER =R	3589	553	9427
4TH CHAR OF VOLSER =S	3589	553	9428
4TH CHAR OF VOLSER =T	3589	553	9429
4TH CHAR OF VOLSER =U	3589	553	9430
4TH CHAR OF VOLSER =V	3589	553	9431
4TH CHAR OF VOLSER =W	3589	553	9432
4TH CHAR OF VOLSER =X	3589	553	9433
4TH CHAR OF VOLSER =Y	3589	553	9434
4TH CHAR OF VOLSER =Z	3589	553	9435
5TH CHAR OF VOLSER =0	3589	553	9500
5TH CHAR OF VOLSER =1	3589	553	9501
5TH CHAR OF VOLSER =2	3589	553	9502
5TH CHAR OF VOLSER =3	3589	553	9503
5TH CHAR OF VOLSER =4	3589	553	9504
5TH CHAR OF VOLSER =5	3589	553	9505
5TH CHAR OF VOLSER =6	3589	553	9506
5TH CHAR OF VOLSER =7	3589	553	9507
5TH CHAR OF VOLSER =8	3589	553	9508
5TH CHAR OF VOLSER =9	3589	553	9509
5TH CHAR OF VOLSER =A	3589	553	9510
5TH CHAR OF VOLSER =B	3589	553	9511
5TH CHAR OF VOLSER =C	3589	553	9512

Description	Machine type	Model	Feature
5TH CHAR OF VOLSER =D	3589	553	9513
5TH CHAR OF VOLSER =E	3589	553	9514
5TH CHAR OF VOLSER =F	3589	553	9515
5TH CHAR OF VOLSER =G	3589	553	9516
5TH CHAR OF VOLSER =H	3589	553	9517
5TH CHAR OF VOLSER =I	3589	553	9518
5TH CHAR OF VOLSER =J	3589	553	9519
5TH CHAR OF VOLSER =K	3589	553	9520
5TH CHAR OF VOLSER =L	3589	553	9521
5TH CHAR OF VOLSER =M	3589	553	9522
5TH CHAR OF VOLSER =N	3589	553	9523
5TH CHAR OF VOLSER =O	3589	553	9524
5TH CHAR OF VOLSER =P	3589	553	9525
5TH CHAR OF VOLSER =Q	3589	553	9526
5TH CHAR OF VOLSER =R	3589	553	9527
5TH CHAR OF VOLSER =S	3589	553	9528
5TH CHAR OF VOLSER =T	3589	553	9529
5TH CHAR OF VOLSER =U	3589	553	9530
5TH CHAR OF VOLSER =V	3589	553	9531
5TH CHAR OF VOLSER =W	3589	553	9532
5TH CHAR OF VOLSER =X	3589	553	9533
5TH CHAR OF VOLSER =Y	3589	553	9534
5TH CHAR OF VOLSER =Z	3589	553	9535
6TH CHAR OF VOLSER =0	3589	553	9600
6TH CHAR OF VOLSER =1	3589	553	9601
6TH CHAR OF VOLSER =2	3589	553	9602
6TH CHAR OF VOLSER =3	3589	553	9603
6TH CHAR OF VOLSER =4	3589	553	9604
6TH CHAR OF VOLSER =5	3589	553	9605
6TH CHAR OF VOLSER =6	3589	553	9606
6TH CHAR OF VOLSER =7	3589	553	9607

Description	Machine type	Model	Feature
6TH CHAR OF VOLSER =8	3589	553	9608
6TH CHAR OF VOLSER =9	3589	553	9609
6TH CHAR OF VOLSER =A	3589	553	9610
6TH CHAR OF VOLSER =B	3589	553	9611
6TH CHAR OF VOLSER =C	3589	553	9612
6TH CHAR OF VOLSER =D	3589	553	9613
6TH CHAR OF VOLSER =E	3589	553	9614
6TH CHAR OF VOLSER =F	3589	553	9615
6TH CHAR OF VOLSER =G	3589	553	9616
6TH CHAR OF VOLSER =H	3589	553	9617
6TH CHAR OF VOLSER =I	3589	553	9618
6TH CHAR OF VOLSER =J	3589	553	9619
6TH CHAR OF VOLSER =K	3589	553	9620
6TH CHAR OF VOLSER =L	3589	553	9621
6TH CHAR OF VOLSER =M	3589	553	9622
6TH CHAR OF VOLSER =N	3589	553	9623
6TH CHAR OF VOLSER =O	3589	553	9624
6TH CHAR OF VOLSER =P	3589	553	9625
6TH CHAR OF VOLSER =Q	3589	553	9626
6TH CHAR OF VOLSER =R	3589	553	9627
6TH CHAR OF VOLSER =S	3589	553	9628
6TH CHAR OF VOLSER =T	3589	553	9629
6TH CHAR OF VOLSER =U	3589	553	9630
6TH CHAR OF VOLSER =V	3589	553	9631
6TH CHAR OF VOLSER =W	3589	553	9632
6TH CHAR OF VOLSER =X	3589	553	9633
6TH CHAR OF VOLSER =Y	3589	553	9634
6TH CHAR OF VOLSER =Z	3589	553	9635
Base 10 Count Lbl Sequence	3589	553	9910
Base 36 Count Lbl Sequence	3589	553	9936
IBM 3589 18 TB Ultrium Tape	3589	653	

Description	Machine type	Model	Feature
Cartridge Model 653			
TAA Compliance	3589	653	0983
18 TB Ultrium 9 Tape Cartridge 20-pack	3589	653	6503
18 TB Ultrium 9 Tape Cartridge 5-pack	3589	653	6507
JEWEL CASE	3589	653	8000

Business Partner information

If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld ID and password are required (use IBMid).

[BP Attachment for Announcement Letter 121-070](#)

Publications

No publications are shipped with the announced products.

IBM Documentation provides you with a single point of reference where you can access product documentation for IBM systems hardware, operating systems, and server software. Through a consistent framework, you can efficiently find information and personalize your access by going to [IBM Documentation](#) for all your product information needs.

To access the IBM Publications Center Portal, go to the [IBM Publications Center](#) website.

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. A large number of publications are available online in various file formats, which can currently be downloaded.

Services

IBM Lab Services

IBM Lab Services offers a wide array of services available for your enterprise. It brings expertise on the latest technologies from the IBM development community and can help with your most difficult technical challenges.

IBM Lab Services can help you successfully implement emerging technologies so as to accelerate your return on investment and improve your satisfaction with your IBM systems and solutions. Services examples include initial implementation, integration, migration, and skills transfer on IBM systems solution capabilities and recommended practices. IBM Lab Services is one of the service organizations of IBM's world-renowned IBM Systems Group development labs.

For details on available services, contact your IBM representative or go to the [Lab Services](#) website.

Global Technology Services

IBM services include business consulting, outsourcing, hosting services, applications, and other technology management.

These services help you learn about, plan, install, manage, or optimize your IT infrastructure to be an on-demand business. They can help you integrate your high-speed networks, storage systems, application servers, wireless protocols, and an array of platforms, middleware, and communications software for IBM and many non-IBM offerings. IBM is your one-stop shop for IT support needs.

For details on available services, contact your IBM representative or go to the [Services and Consulting](#) website.

For details on available IBM Business Continuity and Recovery Services, contact your IBM representative or go to the [Services and Consulting](#) website.

Details on education offerings related to specific products can be found on the [IBM Training](#) website.

Technical information

Specified operating environment

Physical specifications

- Width: 105.4 mm (4.1 in.)
- Depth: 102 mm (4.0 in.)
- Height: 21.55 mm (0.8 in.)

To assure installability and serviceability in non-IBM industry-standard racks, review the installation planning information for any product-specific installation requirements.

Standards

- FCC (United States)
- ICES (Canada)
- CE (European Economic Area)
- UKCA (United Kingdom)
- CM (Morocco)
- KC (South Korea)
- BSMI (Taiwan)
- VCCI (Japan)
- RCM (Australia / New Zealand)

Operating environment

- Recommended environment:
 - Temperature: 15°C to 25°C (59°F to 77°F)
 - Relative humidity: 20% to 50% noncondensing
- Allowable environment:
 - Temperature: 15°C to 35°C (59°F to 95°F)
 - Relative humidity: 20% to 80% noncondensing
 - Maximum dew point: 22°C (71.6°F)
- Shipping:
 - Temperature: -23°C to 49°C (-9°F to 120°F)
 - Relative humidity: 10% to 90% noncondensing
 - Maximum dew point: 22°C (71.6°F)

Hardware requirements

3589 provides labeled or unlabeled data cartridges for Ultrium tape drive products. 3589 models 553 and 653 are IBM Ultrium 9 18 TB data cartridges for use on Ultrium 9 tape drive products.

Unlabeled cartridges

Order Model 653 with the quantity specified by feature number 6503 (20 cartridges per feature ordered) or feature number 6507 (5 cartridges per feature ordered).

Labeled cartridges

Order Model 553 with the quantity specified by feature number 5503 (20 cartridges per feature ordered).

Note: The Jewel Case feature (#8000) is required for Model 653 and is optional for Model 553, but is recommended to protect media in transit.

For the label, also specify the following:

- Alpha character label background options: Select either Color/Vibrant (#9022) or White (#9077) for the background for alpha characters in the VOLSER label.
- Alpha character VOLSER color choices: If the Color/Vibrant feature (#9022) is selected or the Unicolor feature (#9097), then any of ten background colors are available (#9003 to #9012) for the Alpha characters selected. The same background color will be on all the Alpha characters.
- Starting VOLSER sequence number: The starting sequence number for labeled cartridges can be selected from the following:
 - First alphanumeric digit (0 to 9 and A to Z): #9100 ('0') to #9135 ('Z')
 - Second alphanumeric digit (0 to 9 and A to Z): #9200 ('0') to #9235 ('Z')
 - Third alphanumeric digit (0 to 9 and A to Z): #9300 ('0') to #9335 ('Z')
 - Fourth alphanumeric digit (0 to 9 and A to Z): #9400 ('0') to #9435 ('Z')
 - Fifth alphanumeric digit (0 to 9 and A to Z): #9500 ('0') to #9535 ('Z')
 - Sixth alphanumeric digit (0 to 9 and A to Z): #9600 ('0') to #9635 ('Z')
 - Seventh character of VOLSER is set to "L"
 - Eighth character of VOLSER is set to "9" for Model 553

Compatibility

IBM Ultrium 9 12 TB Data Cartridge models 553 and 653 can only be used on Ultrium 9 tape drives.

Limitations

IBM Ultrium 9 12 TB Data Cartridge models 553 and 653 can only be used on Ultrium 9 tape drives.

Planning information

Cable orders

No cables are required.

Security, auditability, and control

This product uses the security and auditability features of host hardware, host software, and application software.

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

IBM Lab Services

For details on available services, contact your IBM representative or go to the [IT Infrastructure](#) website.

Terms and conditions

IBM Global Financing

No

Products - terms and conditions

Warranty period

IBM Tape Media Limited Lifetime Warranty

Product is warranted against manufacturing and material defects for the useful life of the product or until end of support of the product, whichever comes first. IBM warrants that this IBM product is free from defects in material and manufacture at the time of purchase. If any defect in material or manufacture appears after the date of purchase, IBM's entire liability, and your exclusive remedy is, at IBM's option, either (a) repair, or (b) replacement of the product.

This warranty does NOT apply to failure of the IBM product resulting from misuse, abuse, accident, neglect or mishandling, improperly adjusted or maintained drives, incorrect environments, or wear from ordinary use.

This warranty is made in lieu of all other rights, conditions, and warranties, expressed or implied, including but not limited to the implied warranties or merchantability and fitness for a particular purpose.

IBM and seller shall not be liable under any legal theory (including tort or contract) for any direct, indirect, incidental, special or consequential damage (including without limitation damages for lost profits, lost savings or lost data) in any way related to the product. This limitation does not apply to claims for personal injury.

Warranty service

You can get assistance and arrange for a warranty product replacement at the [IBM Storage media](#) website.

Usage plan machine

No

IBM hourly service rate classification

Not applicable.

When a type of service involves the exchange of a machine part, the replacement may not be new, but will be in good working order.

General terms and conditions

Field-installable features

No

Model conversions

No

Machine installation

Client setup. Clients are responsible for installation according to the instructions IBM provides with the machine.

Graduated program license charges apply

No

Licensed Internal Code and Licensed Machine Code

These products do not contain Licensed Internal Code or Licensed Machine Code.

Educational allowance

A reduced charge is available to qualified education clients. The educational allowance may not be added to any other discount or allowance.

The educational allowance is 15% for the products in this announcement.

Prices

For additional information and current prices, contact your local IBM representative or IBM Business Partner.

The following are newly announced features and models on the specified models of the IBM System Storage 3589 machine type:

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
IBM 3589 Model 553	553		Initial	Yes	
IBM 3589 Model 653	653		Initial	Yes	
TAA Compliance	553	0983	Initial	No	No
18 TB Ultrium 9 Tape Cartridge Labeled 20-pack	553	5503	Initial	Yes	No
JEWEL CASE	553	8000	Initial	No	No
ALPHA PREFIX BKGRD - RED	553	9003	Initial	No	No
ALPHA PREFIX BKGRD - YELLOW	553	9004	Initial	No	No
ALPHA PREFIX BKGRD - LT GREEN	553	9005	Initial	No	No
ALPHA PREFIX BKGRD - LT BLUE	553	9006	Initial	No	No
ALPHA PREFIX	553	9007	Initial	No	No

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
BKGRD - GRAY					
ALPHA PREFIX BKGRD - ORANGE	553	9008	Initial	No	No
ALPHA PREFIX BKGRD - PINK	553	9009	Initial	No	No
ALPHA PREFIX BKGRD - GREEN	553	9010	Initial	No	No
ALPHA PREFIX BKGRD - LT ORANGE	553	9011	Initial	No	No
ALPHA PREFIX BKGRD - PURPLE	553	9012	Initial	No	No
LABEL BKGRD: COLOR/ VIBRANT	553	9022	Initial	No	No
LABEL BKGRD: WHITE (NO COLOR)	553	9077	Initial	No	No
Label Background: UniColor	553	9097	Initial	No	No
1ST CHAR OF VOLSER =0	553	9100	Initial	No	No
1ST CHAR OF VOLSER =1	553	9101	Initial	No	No
1ST CHAR OF VOLSER =2	553	9102	Initial	No	No
1ST CHAR OF VOLSER =3	553	9103	Initial	No	No
1ST CHAR OF VOLSER =4	553	9104	Initial	No	No
1ST CHAR OF VOLSER =5	553	9105	Initial	No	No
1ST CHAR OF VOLSER =6	553	9106	Initial	No	No

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
1ST CHAR OF VOLSER =7	553	9107	Initial	No	No
1ST CHAR OF VOLSER =8	553	9108	Initial	No	No
1ST CHAR OF VOLSER =9	553	9109	Initial	No	No
1ST CHAR OF VOLSER =A	553	9110	Initial	No	No
1ST CHAR OF VOLSER =B	553	9111	Initial	No	No
1ST CHAR OF VOLSER =C	553	9112	Initial	No	No
1ST CHAR OF VOLSER =D	553	9113	Initial	No	No
1ST CHAR OF VOLSER =E	553	9114	Initial	No	No
1ST CHAR OF VOLSER =F	553	9115	Initial	No	No
1ST CHAR OF VOLSER =G	553	9116	Initial	No	No
1ST CHAR OF VOLSER =H	553	9117	Initial	No	No
1ST CHAR OF VOLSER =I	553	9118	Initial	No	No
1ST CHAR OF VOLSER =J	553	9119	Initial	No	No
1ST CHAR OF VOLSER =K	553	9120	Initial	No	No
1ST CHAR OF VOLSER =L	553	9121	Initial	No	No
1ST CHAR OF VOLSER =M	553	9122	Initial	No	No

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
1ST CHAR OF VOLSER =N	553	9123	Initial	No	No
1ST CHAR OF VOLSER =O	553	9124	Initial	No	No
1ST CHAR OF VOLSER =P	553	9125	Initial	No	No
1ST CHAR OF VOLSER =Q	553	9126	Initial	No	No
1ST CHAR OF VOLSER =R	553	9127	Initial	No	No
1ST CHAR OF VOLSER =S	553	9128	Initial	No	No
1ST CHAR OF VOLSER =T	553	9129	Initial	No	No
1ST CHAR OF VOLSER =U	553	9130	Initial	No	No
1ST CHAR OF VOLSER =V	553	9131	Initial	No	No
1ST CHAR OF VOLSER =W	553	9132	Initial	No	No
1ST CHAR OF VOLSER =X	553	9133	Initial	No	No
1ST CHAR OF VOLSER =Y	553	9134	Initial	No	No
1ST CHAR OF VOLSER =Z	553	9135	Initial	No	No
2ND CHAR OF VOLSER =0	553	9200	Initial	No	No
2ND CHAR OF VOLSER =1	553	9201	Initial	No	No
2ND CHAR OF VOLSER =2	553	9202	Initial	No	No

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
2ND CHAR OF VOLSER =3	553	9203	Initial	No	No
2ND CHAR OF VOLSER =4	553	9204	Initial	No	No
2ND CHAR OF VOLSER =5	553	9205	Initial	No	No
2ND CHAR OF VOLSER =6	553	9206	Initial	No	No
2ND CHAR OF VOLSER =7	553	9207	Initial	No	No
2ND CHAR OF VOLSER =8	553	9208	Initial	No	No
2ND CHAR OF VOLSER =9	553	9209	Initial	No	No
2ND CHAR OF VOLSER =A	553	9210	Initial	No	No
2ND CHAR OF VOLSER =B	553	9211	Initial	No	No
2ND CHAR OF VOLSER =C	553	9212	Initial	No	No
2ND CHAR OF VOLSER =D	553	9213	Initial	No	No
2ND CHAR OF VOLSER =E	553	9214	Initial	No	No
2ND CHAR OF VOLSER =F	553	9215	Initial	No	No
2ND CHAR OF VOLSER =G	553	9216	Initial	No	No
2ND CHAR OF VOLSER =H	553	9217	Initial	No	No
2ND CHAR OF VOLSER =I	553	9218	Initial	No	No

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
2ND CHAR OF VOLSER =J	553	9219	Initial	No	No
2ND CHAR OF VOLSER =K	553	9220	Initial	No	No
2ND CHAR OF VOLSER =L	553	9221	Initial	No	No
2ND CHAR OF VOLSER =M	553	9222	Initial	No	No
2ND CHAR OF VOLSER =N	553	9223	Initial	No	No
2ND CHAR OF VOLSER =O	553	9224	Initial	No	No
2ND CHAR OF VOLSER =P	553	9225	Initial	No	No
2ND CHAR OF VOLSER =Q	553	9226	Initial	No	No
2ND CHAR OF VOLSER =R	553	9227	Initial	No	No
2ND CHAR OF VOLSER =S	553	9228	Initial	No	No
2ND CHAR OF VOLSER =T	553	9229	Initial	No	No
2ND CHAR OF VOLSER =U	553	9230	Initial	No	No
2ND CHAR OF VOLSER =V	553	9231	Initial	No	No
2ND CHAR OF VOLSER =W	553	9232	Initial	No	No
2ND CHAR OF VOLSER =X	553	9233	Initial	No	No
2ND CHAR OF VOLSER =Y	553	9234	Initial	No	No

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
2ND CHAR OF VOLSER =Z	553	9235	Initial	No	No
3RD CHAR OF VOLSER =0	553	9300	Initial	No	No
3RD CHAR OF VOLSER =1	553	9301	Initial	No	No
3RD CHAR OF VOLSER =2	553	9302	Initial	No	No
3RD CHAR OF VOLSER =3	553	9303	Initial	No	No
3RD CHAR OF VOLSER =4	553	9304	Initial	No	No
3RD CHAR OF VOLSER =5	553	9305	Initial	No	No
3RD CHAR OF VOLSER =6	553	9306	Initial	No	No
3RD CHAR OF VOLSER =7	553	9307	Initial	No	No
3RD CHAR OF VOLSER =8	553	9308	Initial	No	No
3RD CHAR OF VOLSER =9	553	9309	Initial	No	No
3RD CHAR OF VOLSER =A	553	9310	Initial	No	No
3RD CHAR OF VOLSER =B	553	9311	Initial	No	No
3RD CHAR OF VOLSER =C	553	9312	Initial	No	No
3RD CHAR OF VOLSER =D	553	9313	Initial	No	No
3RD CHAR OF VOLSER =E	553	9314	Initial	No	No

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
3RD CHAR OF VOLSER =F	553	9315	Initial	No	No
3RD CHAR OF VOLSER =G	553	9316	Initial	No	No
3RD CHAR OF VOLSER =H	553	9317	Initial	No	No
3RD CHAR OF VOLSER =I	553	9318	Initial	No	No
3RD CHAR OF VOLSER =J	553	9319	Initial	No	No
3RD CHAR OF VOLSER =K	553	9320	Initial	No	No
3RD CHAR OF VOLSER =L	553	9321	Initial	No	No
3RD CHAR OF VOLSER =M	553	9322	Initial	No	No
3RD CHAR OF VOLSER =N	553	9323	Initial	No	No
3RD CHAR OF VOLSER =O	553	9324	Initial	No	No
3RD CHAR OF VOLSER =P	553	9325	Initial	No	No
3RD CHAR OF VOLSER =Q	553	9326	Initial	No	No
3RD CHAR OF VOLSER =R	553	9327	Initial	No	No
3RD CHAR OF VOLSER =S	553	9328	Initial	No	No
3RD CHAR OF VOLSER =T	553	9329	Initial	No	No
3RD CHAR OF VOLSER =U	553	9330	Initial	No	No

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
3RD CHAR OF VOLSER =V	553	9331	Initial	No	No
3RD CHAR OF VOLSER =W	553	9332	Initial	No	No
3RD CHAR OF VOLSER =X	553	9333	Initial	No	No
3RD CHAR OF VOLSER =Y	553	9334	Initial	No	No
3RD CHAR OF VOLSER =Z	553	9335	Initial	No	No
4TH CHAR OF VOLSER =0	553	9400	Initial	No	No
4TH CHAR OF VOLSER =1	553	9401	Initial	No	No
4TH CHAR OF VOLSER =2	553	9402	Initial	No	No
4TH CHAR OF VOLSER =3	553	9403	Initial	No	No
4TH CHAR OF VOLSER =4	553	9404	Initial	No	No
4TH CHAR OF VOLSER =5	553	9405	Initial	No	No
4TH CHAR OF VOLSER =6	553	9406	Initial	No	No
4TH CHAR OF VOLSER =7	553	9407	Initial	No	No
4TH CHAR OF VOLSER =8	553	9408	Initial	No	No
4TH CHAR OF VOLSER =9	553	9409	Initial	No	No
4TH CHAR OF VOLSER =A	553	9410	Initial	No	No

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
4TH CHAR OF VOLSER =B	553	9411	Initial	No	No
4TH CHAR OF VOLSER =C	553	9412	Initial	No	No
4TH CHAR OF VOLSER =D	553	9413	Initial	No	No
4TH CHAR OF VOLSER =E	553	9414	Initial	No	No
4TH CHAR OF VOLSER =F	553	9415	Initial	No	No
4TH CHAR OF VOLSER =G	553	9416	Initial	No	No
4TH CHAR OF VOLSER =H	553	9417	Initial	No	No
4TH CHAR OF VOLSER =I	553	9418	Initial	No	No
4TH CHAR OF VOLSER =J	553	9419	Initial	No	No
4TH CHAR OF VOLSER =K	553	9420	Initial	No	No
4TH CHAR OF VOLSER =L	553	9421	Initial	No	No
4TH CHAR OF VOLSER =M	553	9422	Initial	No	No
4TH CHAR OF VOLSER =N	553	9423	Initial	No	No
4TH CHAR OF VOLSER =O	553	9424	Initial	No	No
4TH CHAR OF VOLSER =P	553	9425	Initial	No	No
4TH CHAR OF VOLSER =Q	553	9426	Initial	No	No

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
4TH CHAR OF VOLSER =R	553	9427	Initial	No	No
4TH CHAR OF VOLSER =S	553	9428	Initial	No	No
4TH CHAR OF VOLSER =T	553	9429	Initial	No	No
4TH CHAR OF VOLSER =U	553	9430	Initial	No	No
4TH CHAR OF VOLSER =V	553	9431	Initial	No	No
4TH CHAR OF VOLSER =W	553	9432	Initial	No	No
4TH CHAR OF VOLSER =X	553	9433	Initial	No	No
4TH CHAR OF VOLSER =Y	553	9434	Initial	No	No
4TH CHAR OF VOLSER =Z	553	9435	Initial	No	No
5TH CHAR OF VOLSER =0	553	9500	Initial	No	No
5TH CHAR OF VOLSER =1	553	9501	Initial	No	No
5TH CHAR OF VOLSER =2	553	9502	Initial	No	No
5TH CHAR OF VOLSER =3	553	9503	Initial	No	No
5TH CHAR OF VOLSER =4	553	9504	Initial	No	No
5TH CHAR OF VOLSER =5	553	9505	Initial	No	No
5TH CHAR OF VOLSER =6	553	9506	Initial	No	No

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
5TH CHAR OF VOLSER =7	553	9507	Initial	No	No
5TH CHAR OF VOLSER =8	553	9508	Initial	No	No
5TH CHAR OF VOLSER =9	553	9509	Initial	No	No
5TH CHAR OF VOLSER =A	553	9510	Initial	No	No
5TH CHAR OF VOLSER =B	553	9511	Initial	No	No
5TH CHAR OF VOLSER =C	553	9512	Initial	No	No
5TH CHAR OF VOLSER =D	553	9513	Initial	No	No
5TH CHAR OF VOLSER =E	553	9514	Initial	No	No
5TH CHAR OF VOLSER =F	553	9515	Initial	No	No
5TH CHAR OF VOLSER =G	553	9516	Initial	No	No
5TH CHAR OF VOLSER =H	553	9517	Initial	No	No
5TH CHAR OF VOLSER =I	553	9518	Initial	No	No
5TH CHAR OF VOLSER =J	553	9519	Initial	No	No
5TH CHAR OF VOLSER =K	553	9520	Initial	No	No
5TH CHAR OF VOLSER =L	553	9521	Initial	No	No
5TH CHAR OF VOLSER =M	553	9522	Initial	No	No

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
5TH CHAR OF VOLSER =N	553	9523	Initial	No	No
5TH CHAR OF VOLSER =O	553	9524	Initial	No	No
5TH CHAR OF VOLSER =P	553	9525	Initial	No	No
5TH CHAR OF VOLSER =Q	553	9526	Initial	No	No
5TH CHAR OF VOLSER =R	553	9527	Initial	No	No
5TH CHAR OF VOLSER =S	553	9528	Initial	No	No
5TH CHAR OF VOLSER =T	553	9529	Initial	No	No
5TH CHAR OF VOLSER =U	553	9530	Initial	No	No
5TH CHAR OF VOLSER =V	553	9531	Initial	No	No
5TH CHAR OF VOLSER =W	553	9532	Initial	No	No
5TH CHAR OF VOLSER =X	553	9533	Initial	No	No
5TH CHAR OF VOLSER =Y	553	9534	Initial	No	No
5TH CHAR OF VOLSER =Z	553	9535	Initial	No	No
6TH CHAR OF VOLSER =0	553	9600	Initial	No	No
6TH CHAR OF VOLSER =1	553	9601	Initial	No	No
6TH CHAR OF VOLSER =2	553	9602	Initial	No	No

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
6TH CHAR OF VOLSER =3	553	9603	Initial	No	No
6TH CHAR OF VOLSER =4	553	9604	Initial	No	No
6TH CHAR OF VOLSER =5	553	9605	Initial	No	No
6TH CHAR OF VOLSER =6	553	9606	Initial	No	No
6TH CHAR OF VOLSER =7	553	9607	Initial	No	No
6TH CHAR OF VOLSER =8	553	9608	Initial	No	No
6TH CHAR OF VOLSER =9	553	9609	Initial	No	No
6TH CHAR OF VOLSER =A	553	9610	Initial	No	No
6TH CHAR OF VOLSER =B	553	9611	Initial	No	No
6TH CHAR OF VOLSER =C	553	9612	Initial	No	No
6TH CHAR OF VOLSER =D	553	9613	Initial	No	No
6TH CHAR OF VOLSER =E	553	9614	Initial	No	No
6TH CHAR OF VOLSER =F	553	9615	Initial	No	No
6TH CHAR OF VOLSER =G	553	9616	Initial	No	No
6TH CHAR OF VOLSER =H	553	9617	Initial	No	No
6TH CHAR OF VOLSER =I	553	9618	Initial	No	No

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
6TH CHAR OF VOLSER =J	553	9619	Initial	No	No
6TH CHAR OF VOLSER =K	553	9620	Initial	No	No
6TH CHAR OF VOLSER =L	553	9621	Initial	No	No
6TH CHAR OF VOLSER =M	553	9622	Initial	No	No
6TH CHAR OF VOLSER =N	553	9623	Initial	No	No
6TH CHAR OF VOLSER =O	553	9624	Initial	No	No
6TH CHAR OF VOLSER =P	553	9625	Initial	No	No
6TH CHAR OF VOLSER =Q	553	9626	Initial	No	No
6TH CHAR OF VOLSER =R	553	9627	Initial	No	No
6TH CHAR OF VOLSER =S	553	9628	Initial	No	No
6TH CHAR OF VOLSER =T	553	9629	Initial	No	No
6TH CHAR OF VOLSER =U	553	9630	Initial	No	No
6TH CHAR OF VOLSER =V	553	9631	Initial	No	No
6TH CHAR OF VOLSER =W	553	9632	Initial	No	No
6TH CHAR OF VOLSER =X	553	9633	Initial	No	No
6TH CHAR OF VOLSER =Y	553	9634	Initial	No	No

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
6TH CHAR OF VOLSER =Z	553	9635	Initial	No	No
Base 10 Count Lbl Sequence	553	9910	Initial	No	No
Base 36 Count Lbl Sequence	553	9936	Initial	No	No
TAA Compliance	653	0983	Initial	No	No
18 TB Ultrium 9 Tape Cartridge 20-pack	653	6503	Initial	Yes	No
18 TB Ultrium 9 Tape Cartridge 5-pack	653	6507	Initial	Yes	No
JEWEL CASE	653	8000	Initial	No	No

CSU = Customer setup

RP MES = Returnable parts MES

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