IBM System Storage DCS3700 expansion unit introduces new drive capacities to deliver a balance between high capacity, high performance, and data integrity

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At a glance

IBM(R) System Storage(R) DCS3700 expansion unit offers support for the new generation of SSDs and HDDs with 6 Gb SAS interfaces through the following options:

- 1.6 TB SAS 6 Gb 2.5-inch SSD
- 6 TB 7,200 rpm 6 Gb NL-SAS 3.5-inch HDD

These drives provide new high-performance alternatives and T10 Protection Information (PI) functionality for DCS3700 controller and expansion units.

Overview

IBM System Storage DCS3700 expansion unit offers support for the new 6 TB 7,200 rpm 6 Gb NL-SAS 3.5-inch hard drive with T10 PI for clients looking for high-performance, high-capacity, mission-critical drive options.

The System Storage DCS3700 expansion unit now offers the following drives:

- 1.6 TB 2.5-inch SAS solid state drive (SSD) with 6 Gb SAS interfaces.
- 6 TB 7,200 rpm 6 Gb NL-SAS 3.5-inch drives (HDD)

DCS3700 expansion unit also offers the following SAS cables:

- 1.5 m SAS cable (mSAS HD to mSAS)
- 3 m SAS cable (mSAS HD to mSAS)

Key prerequisites

These new SSD and HDD options are supported on their respective DCS3700 expansion enclosure and require Controller Firmware (CFW) version 8.2.

T10 PI functionality also requires CFW version 8.2.
Planned availability date

- April 28, 2015: Feature number 0983
- June 5, 2015: All other features

Description

The 1.6 TB 2.5-inch 6 Gb drive is the new generation of SSDs featuring a native 6 Gb SAS interface. It is designed to deliver high performance for mission-critical applications using the DCS3700 expansion unit as an external storage option.

This new drive is enabled with T10 PI, a major disk integrity protocol that incorporates eight additional bytes of integrity metadata on each block of data to help ensure that the block is being transferred without error between the storage controller and the PI-formatted disk drives.

The new 6 TB HDD has been designed for clients looking for an exceptional balance between performance and capacity. It delivers 6 TB in a small form factor with 7,200 rpm to help optimize performance. This new drive is also enabled with T10 PI, confirming that the block is being correctly transferred between the storage controller and the PI-formatted disk drives.

Accessibility by people with disabilities

A US Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at


Product number

<table>
<thead>
<tr>
<th>Description</th>
<th>Machine type</th>
<th>Model</th>
<th>Feature number</th>
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<tr>
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<td>ACSC</td>
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<tr>
<td>3m SAS cable</td>
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<tr>
<td>1.6 TB SAS 6Gb 2.5 inch SSD</td>
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<td>80E</td>
<td>AEDD</td>
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<tr>
<td>6 TB 7,200 rpm 6Gb NL-SAS 3.5 inch HDD</td>
<td>1818</td>
<td>80E</td>
<td>AEDF</td>
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</table>

Publications

No publications are shipped with this option. Refer to the publications that shipped with your base system for information.

Publications and product documentation are available at the IBM System Storage Support site

http://www.ibm.com/systems/support/storage/
The IBM Publications Center Portal is located at

http://www.ibm.com/shop/publications/order

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.

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http://www.ibm.com/services/continuity

For details on education offerings related to specific products, visit


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### Technical information

#### Specified operating environment

**Compatibility**

Refer to the IBM System Storage Interoperation Center (SSIC) for a comprehensive list of supported environments, devices, and configurations

http://www.ibm.com/systems/support/storage/config/ssic

#### Planning information

**Customer responsibilities**

Physical configuration and installation planning are customer responsibilities. Refer to the *IBM Systems Storage User’s and Maintenance Guide* for additional information.

You are responsible for downloading or obtaining from IBM, and installing designated Machine Code (microcode, basic input/output system code (called BIOS), utility programs, device drivers, and diagnostics delivered with an IBM machine) and other software updates in a timely manner from an IBM Internet website or from other electronic media, and following the instructions that IBM provides. You may request IBM to install Machine Code changes; however, you may be charged for that service.

**Cable orders**

The following SAS cables can be ordered with your DCS3700 Expansion units:
• 1.5 m SAS cable (mSAS HD to mSAS) (Feature ACSB)
• 3 m SAS cable (mSAS HD to mSAS) (Feature ACSC)

Security, auditability, and control

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

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

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Contact your IBM representative for the list of selected services available in your country, either as standard or customized offerings, for the efficient installation, implementation, and/or integration of this product.

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Terms and conditions

Field installable feature

Yes

Warranty period

One year

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remainder of the warranty period for the replaced part or feature. An IBM part or feature added to a machine without replacing a previously installed part or feature is subject to a full warranty effective on its date of installation. Unless specified otherwise, the warranty period, type of warranty service, and service level of a part or feature are the same as those for the machine in which it is installed.

**Customer setup**
Yes

**Machine code**
Same license terms and conditions as base machine

## Prices

For all local charges, contact your IBM representative.

## Announcement countries

All European, Middle Eastern, and African countries.

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