New drive capacities for IBM System Storage EXP3800 expansion unit deliver a balance between high capacity, high performance, and data integrity

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At a glance

New IBM® System Storage® EXP3800 SSDs and HDDs with enhanced T10 Protection Information (PI) functionality deliver improved performance-capacity balance for small and midsize business workloads.

Overview

IBM System Storage EXP3800 delivers support for the new generation of SSDs and HDDs with 6 Gb SAS interfaces by offering the following options:

- 800 GB SAS 6 Gb 2.5-inch SSD
- 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 PI functionality for the DCS3860 controller and EXP3800 expansion unit.

Key prerequisites

These new SSD and HDD options are supported on their respective EXP3800 expansion enclosure. They require Controller Firmware (CFW) version 8.2.

The 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 800 GB and the 1.6 TB 2.5-inch drives are the new generation of SSDs featuring native 6 Gb SAS interface. They are designed to provide high performance for mission-critical applications using the DCS3860 as an external storage option.
The new 6 TB HDD drive 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.

These new drives are also 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.

**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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<tbody>
<tr>
<td>TAA Compliance</td>
<td>1813</td>
<td>80E</td>
<td>0983</td>
</tr>
<tr>
<td>800 GB SAS 6Gb 2.5 inch SSD</td>
<td>1813</td>
<td>80E</td>
<td>AEDB</td>
</tr>
<tr>
<td>1.6 TB SAS 6Gb 2.5 inch SSD</td>
<td>1813</td>
<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>1813</td>
<td>80E</td>
<td>AEDF</td>
</tr>
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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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For details on available services, contact your IBM representative or visit
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 DCS3860 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
No cables required

Security, auditability, and control
This product uses the security and auditability features of the host hardware, host software, and application software on which it was installed.

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

Global Technology Services
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

An IBM part or feature installed during the initial installation of an IBM machine is subject to a full warranty effective on the date of installation of the machine. An IBM part or feature that replaces a previously installed part or feature assumes the 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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