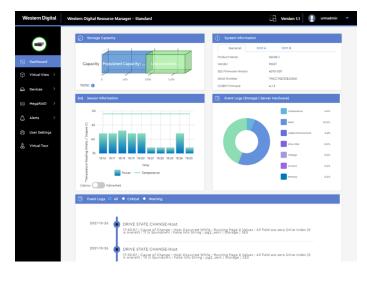
#### D018-000128-000 Rev. 02

### Datasheet

### Overview

Resource Manager Standard Edition is an in-band monitoring and management application for Western Digital hybrid storage platforms. It runs on the host operating system (Windows® or Linux®), using a RESTful interface to present a real-time status of the platform's storage health and management controls to the browser in the form of an intuitive GUI.



## **Feature Highlights**

- Multiple JBOD support
- Multiple Broadcom<sup>®</sup> MegaRAID<sup>®</sup> or HBA support<sup>1</sup>
- Virtual presence view with components & sensor status
- Drive monitoring & LED management
- Zoning configuration (custom & predefined<sup>2</sup>)
- Alerts & notifications

# Dashboard

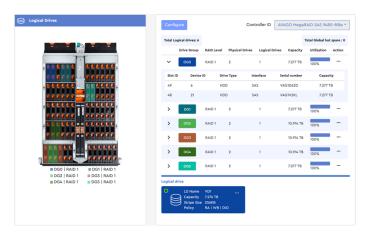
View a consolidated monitoring page displaying the most critical platform data, such as populated/unpopulated storage capacity, system information (serial number, SEP & OOBM FW versions), IOM information (MAC & IP addresses), BMC firmware version<sup>3</sup>, and the last 10 minutes of sensor readings (refreshed approximately every 60 seconds). Events are displayed in a categorized pie chart as well as a chronological list, filterable by severity.

## Multiple JBODs

Manage up to four platforms of the same type<sup>4</sup> with a single host in a daisy-chain configuration<sup>2</sup>, or two platforms in a direct-attach configuration.

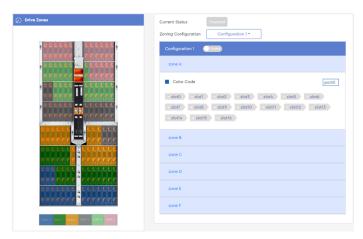


## MegaRAID



Select any MegaRAID controller detected in the host, toggle from JBOD to RAID mode, view settings and information, and upgrade firmware. Group drives and hot spares, assign a RAID level, and allocate capacity to logical drives. View a consolidated listing of RAID information for each configured drive group and detailed information for associated drives.

# Devices



See the health of all drives at-a-glance, or select a specific drive to view its information, sensor data, and performance statistics. Select a predefined zoning configuration, or group specific drives to create your own. Upgrade IOM firmware, reset the enclosure and/or IOMs, and configure OOBM details. Check the status, readings, and thresholds of all sensors in the enclosure.

- <sup>1</sup> Only supported Broadcom MegaRAID controllers or HBAs. See your platform's *Compatibility Matrix* for details.
- <sup>2</sup> Ultrastar® Data60 & Data102 only
- <sup>3</sup> Ultrastar Serv60+8 only
- <sup>4</sup> Up to four Ultrastar Data60s or two Ultrastar Data102s

### Datasheet

### **General Information**

Visit the Western Digital Business Support Center at https:// portal.wdc.com/s/ to download the Resource Manager Standard Edition:

- 1. Log in to your support account and choose the **Downloads** option.
- 2. Under Identify Product, select Resource Manager, your operating system, and the current version of the Resource Manager Standard Edition.
- Under Select Files for Download, expand the Documentation and Software Binaries menus, and select the binary file(s) for your platform(s).
- 4. Under **Review & Download Files**, review your selections. If you selected more than one file, choose the desired archive file format and click **Download All**.
- **5.** Unzip/extract the archive file to the desired directory on the host server.

For installation and use instructions, refer to the Resource Manager Standard Edition *User Guide*.

For software release notes, refer to the Resource Manager Standard Edition *Release Notes*.

## **Compatible Operating Systems**

Operating System	Version
Red Hat® Enterprise Linux® (RHEL)	7.6, 8.0, 8.2, 8.3
CentOS	7.6, 8.0, 8.2, 8.3
SUSE Linux Enterprise Server (SLES)	12 (sp3), 15 (sp1)
Ubuntu	16.04, 18.04, 20.04
Debian	10.9
Oracle® Linux	8.2
Windows Server®	2016, 2019

### **Compatible Browsers**

Browser	Version
Chrome	83.0.4103.97 or newer
Firefox	68.9.0esr (64-bit) or newer

### **Supported Platforms**

Ultrastar Data102, Data60, Serv60+8

### **Required Firmware**

Firmware	Version	
SEP	3010-007 or later	
OOBM	3.1.11 or later	

## **Required Software**

Software	Version	Applicable OSs & Platforms
Apache HTTP Server™	2.4.46	Linux only
Internet Information Services (IIS)	10	Windows only
URL Rewrite	2.1	Windows only
Python®	3.6	Windows & Linux
Python Modules: pip Flask Flask-Cors Flask-RESTful pymongo requests PyJWT json2html waitress Paste	9.0.1 1.1.2 3.0.8 0.3.9 3.11.0 2.18.4 2.0.1 1.3.0 2.0.0 3.5.0	Windows & Linux
Python Modules: pywin32 psutil	300 5.8.0	Windows only
MongoDB™	4.4	Windows & Linux
WDDCS Tool <sup>57</sup>	2.1.4.0	Windows & Linux
ipmiutil	3.17	Windows & Linux for Ultrastar Serv60+8
sg_utils	1.42	Windows & Linux

#### <sup>5</sup> Included with Resource Manager installation

Western Digital
5601 Great Oaks
Parkway
San Jose, CA 95119

© 2022 Western Digital Corporation or its affiliates. All rights reserved. Western Digital, the Western Digital logo, and Ultrastar are registered trademarks or trademarks of Western Digital Corporation or its affiliates in the US and/or other countries. Apache HTTP Server is either a registered trademark or trademark of the Apache Software Foundation in the United States and/or other countries. Broadcom and MegaRAID are among the trademarks of Broadcom. Chrome is a trademark of Google LLC. Firefox is a trademark of the Mozilla Foundation in the U.S. and other countries. Linux® is the registered trademark of Linus Torvalds in the U.S. and other countries. MongoDB is a trademark of MongoDB, Inc. Oracle is a registered trademark of Oracle and/or its affiliates. "Python" is a trademark or registered trademark of the Python Software Foundation. Safari is a registered trademark of Apple Inc. Red Hat and Red Hat Enterprise Linux are registered trademarks of SUSE IP Development Limited or its subsidiaries or affiliates. All other marks are the property of their respective owners. References in this publication to Western Digital products, programs or services do not imply that they will be available in all countries. Product information is subject to change. Photographs may show design models.