

IBM Cloud Object Storage System™  
Version 3.13.6

*Field Replaceable Units Reference  
Guide*



This edition applies to IBM Cloud Object Storage System™ and is valid until replaced by new editions.

© **Copyright IBM Corporation 2016, 2018.**

US Government Users Restricted Rights – Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

---

## Contents

Support information . . . . .	v	Chapter 7. Slicestor 2212A . . . . .	13
Chapter 1. Accesser 3105 . . . . .	1	Chapter 8. Slicestor 2448 . . . . .	15
Chapter 2. Accesser 4105 . . . . .	3	Chapter 9. Slicestor 3448 . . . . .	17
Chapter 3. File Accesser F5100. . . . .	5	Chapter 10. Slicestor 2584 . . . . .	19
Chapter 4. Storage Metrics Center T5100	7	Notices . . . . .	21
Chapter 5. Manager 3105 . . . . .	9	Trademarks . . . . .	23
Chapter 6. Slicestor 2212 . . . . .	11		



---

## Support information

For more information on the product or help with troubleshooting, contact IBM Support at [IBMCloudStorageSupport@us.ibm.com](mailto:IBMCloudStorageSupport@us.ibm.com) or visit the Directory of worldwide contacts.



---

## Chapter 1. Accesser 3105

### Accesser 3105

Appliance marketing name	IBM MTM	Feature Code	Customer Installable	Description	IBM P/N
Accesser 3105	340x-A00	Base Model	Yes	Power Supply Module	01GY632
		Base Model	Yes	OS Drive	01GY634
		Base Model	Yes	Rail Kit	01GY640
		Base Model	No	Fan 4	01GY637
		Base Model	No	Fan 1, 2, 3	01GY638
		Base Model	No	Memory Kit - 8 x 16G DIMMs	01GY639
		AJ0E	No	Dual Port SFP+ 10G NIC	01GY647
		AJ0F	No	Quad Port SFP+ 10G NIC	01GY648
		AJ0G	No	Single Port QSFP 40G NIC	01GY649
		AJ0H	No	Dual Port QSFP 40G NIC	01GY650
		AJ0J	No	Dual Port 10GBase-T NIC	01GY651
		AJ0N	Yes	SFP+ Optical Module SR	01GY655
		AJ0P	Yes	SFP+ Optical Module LR	01GY656
		AJ16	Yes	QSFP Optical Module SR	01LK082





---

## Chapter 2. Accesser 4105

### Accesser 4105

Appliance Marketing Name	IBM MTM	Feature Code	Customer Installable	Description	IBM P/N
Accesser 4105	340x-A01	Base Model	Yes	Power Supply Module	01GY632
		Base Model	Yes	OS Drive	01GY634
		Base Model	Yes	Rail Kit	01GY640
		Base Model	No	Fan 4, 6	01GY637
		Base Model	No	Fan 1, 2, 3, 5	01GY638
		Base Model	No	Memory Kit - 8 x 16G DIMMs	01GY639
		AJ0E	No	Dual Port SFP+ 10G NIC	01GY647
		AJ0F	No	Quad Port SFP+ 10G NIC	01GY648
		AJ0G	No	Single Port QSFP 40G NIC	01GY649
		AJ0H	No	Dual Port QSFP 40G NIC	01GY650
		AJ0J	No	Dual Port 10GBase-T NIC	01GY651
		AJ0N	Yes	SFP+ Optical Module SR	01GY655
		AJ0P	Yes	SFP+ Optical Module LR	01GY656
		AJ16	Yes	QSFP Optical Module SR	01LK082



---

## Chapter 3. File Accesser F5100

### File Accesser F5100

Appliance Marketing Name	IBM MTM	Feature Code	Customer Installable	Description	IBM P/N
Accesser F5100	340x-A02	Base Model	Yes	Power Supply Module	01GY632
		Base Model	Yes	OS/Data Drive	01GY636
		Base Model	Yes	Rail Kit	01GY640
		Base Model	No	Fan 4, 6	01GY637
		Base Model	No	Fan 1, 2, 3, 5	01GY638
		Base Model	No	Memory Kit - 8 x 16G DIMMs	01GY639
		Base Model	No	RAID Card	01GY644
		AJ0E	No	Dual Port SFP+ 10G NIC	01GY647
		AJ0F	No	Quad Port SFP+ 10G NIC	01GY648
		AJ0G	No	Single Port QSFP 40G NIC	01GY649
		AJ0H	No	Dual Port QSFP 40G NIC	01GY650
		AJ0J	No	Dual Port 10GBase-T NIC	01GY651
		AJ0N	Yes	SFP+ Optical Module SR	01GY655
		AJ0P	Yes	SFP+ Optical Module LR	01GY656
		AJ16	Yes	QSFP Optical Module SR	01LK082



---

## Chapter 4. Storage Metrics Center T5100

### SMC T5100

Appliance Marketing Name	IBM MTM	Feature Code	Customer Installable	Description	IBM P/N
SMC T5100	340x-A02	Base Model	Yes	Power Supply Module	01GY632
		Base Model	Yes	OS/Data Drive	01GY636
		Base Model	Yes	Rail Kit	01GY640
		Base Model	No	Fan 4, 6	01GY637
		Base Model	No	Fan 1, 2, 3, 5	01GY638
		Base Model	No	Memory Kit - 8 x 16G DIMMs	01GY639
		Base Model	No	RAID Card	01GY644
		AJ0E	No	Dual Port SFP+ 10G NIC	01GY647
		AJ0F	No	Quad Port SFP+ 10G NIC	01GY648
		AJ0G	No	Single Port QSFP 40G NIC	01GY649
		AJ0H	No	Dual Port QSFP 40G NIC	01GY650
		AJ0J	No	Dual Port 10GBase-T NIC	01GY651
		AJ0N	Yes	SFP+ Optical Module SR	01GY655
		AJ0P	Yes	SFP+ Optical Module LR	01GY656
		AJ16	Yes	QSFP Optical Module SR	01LK082



---

## Chapter 5. Manager 3105

### Manager 3105

Appliance Marketing Name	IBM MTM	Feature Code	Customer Installable	Description	IBM P/N
Manager 3105	340x-M01	Base Model	Yes	Power Supply Module	01GY632
		Base Model	Yes	OS Drive	01GY635
		Base Model	Yes	Rail Kit	01GY640
		Base Model	No	Fan 4	01GY637
		Base Model	No	Fan 1, 2, 3	01GY638
		Base Model	No	Memory Kit - 8 x 16G DIMMs	01GY639
		Base Model	No	RAID Card	01GY643
		AJ0E	No	Dual Port SFP+ 10G NIC	01GY647
		AJ0F	No	Quad Port SFP+ 10G NIC	01GY648
		AJ0J	No	Dual Port 10GBase-T NIC	01GY651
		AJ0N	Yes	SFP+ Module SR	01GY655
		AJ0P	Yes	SFP+ Module LR	01GY656





## Chapter 6. Slicestor 2212

### Slicestor 2212

Appliance Marketing Name	IBM MTM	Feature Code	Customer Installable	Description	IBM P/N	Drive Manufacturer P/N
Slicestor 2212	340x-S00	Base Model	Yes	Power Supply Module	01GY611	
		Base Model	Yes	OS Drive	01GY614	
		Base Model	Yes	Rail Kit	01GY608	
		Base Model	No	Fan	01GY613	
		Base Model	No	Memory Kit - 4 x 8G DIMMs	01GY615	
		Base Model	No	Host Bus Adapter	01GY642	
		AJ0K	No	Dual Port SFP+ 10G NIC	01GY652	
		AJ0L	Yes	SFP+ Module SR	01GY653	
		AJ0M	Yes	SFP+ Module LR	01GY654	
		AJ07	Yes	4 TB Mid-workload Data Drive	01GY625	ST4000VN0001
		N/A	Yes	6 TB Low-workload Data Drive	01GY626	WD6001F4PZ
		AJ09	Yes	6 TB Mid-workload Data Drive	01GY627	WD6001F9YZ / ST6000VN001
		AJ0A	Yes	6 TB High-workload Data Drive	01GY628	ST6000NM0024 / HUH728060ALE604
		AJ0B	Yes	8 TB Low-workload Data Drive	01GY629	ST8000AS0002
		AJ0C	Yes	8 TB Mid-workload Data Drive	01GY630	ST8000NE0001
		AJ0D	Yes	8 TB High-workload Data Drive	01GY631	ST8000NM0055, HUH728080ALE604



## Chapter 7. Slicestor 2212A

### Slicestor 2212A

Appliance Marketing Name	IBM MTM	Feature Code	Customer Installable	Description	IBM P/N	Drive Manufacturer P/N
Slicestor 2212A	340x-S10	Base Model	No	Power Supply Module	01GY632	
		Base Model	No	OS Drive	01GY998	
		Base Model	No	Rail Kit	01GY640	
		Base Model	No	Fan #1 ,2 and 4	01LK078	
		Base Model	No	Fan #5	01LK105	
		Base Model	No	Blank HDD/Filler	02AE542	
		Base Model	No	HBA	01GY646	
		Base Model	No	Memory Kit 2x16G DIMMs	01LK081	
		Base Model	Yes	Data Drive Empty Carrier	02AE542	
		AJ88	No	Memory Kit 8x16G DIMMs	01GY639	
		AJ0E	No	Dual Port SFP+ 10G NIC	01GY647	
		AJ0F	No	Quad Port SFP+ 10G NIC	01GY648	
		AJ0G	No	Single Port QSFP 40G NIC	01GY649	
		AJ0H	No	Dual Port QSFP 40G NIC	01GY650	
		AJ0J	No	Dual Port 10GBase-T NIC	01GY651	
		AJ16	Yes	QSFP Module SR	01LK082	
		AJ0N	Yes	SFP+ Module SR	01GY655	
		AJ0Y	Yes	4 TB High-workload Data Drive	01LK083	ST4000NM0115
		AJ0Z	Yes	6 TB High-workload Data Drive	01LK084	ST6000NM0115
		AJ10	Yes	8 TB High-workload Data Drive	01LK085	ST8000NM0055
		AJ11	Yes	10 TB High-workload Data Drive	01LK086	ST10000NM0016
		AJ12	Yes	12 TB High-workload Data Drive (Primary)	02AE587	ST12000NM0007
		AJ12	Yes	12 High-workload Data Drive (Alternate)	02AE568	HUH721212ALE604



## Chapter 8. Slicestor 2448

### Slicestor 2448

Appliance marketing name	IBM MTM	Feature Code	Customer Installable	Description	IBM P/N	Drive Manufacturer P/N
Slicestor 2448	340x-S01	Base Model	Yes	Power Supply Module	01GY633	
		Base Model	Yes	OS Drive	01GY624	
		Base Model	Yes	Rail Kit	01GY657	
		Base Model	Yes	Fan	01GY659	
		Base Model	No	Memory Kit - 8 x 16G DIMMs	01GY639	
		Base Model	No	Host Bus Adapter	01GY646	
		AJ0Q	Yes	Cable Management Arm	01GY658	
		AJ0E	No	Dual Port SFP+ 10G NIC	01GY647	
		AJ0F	No	Quad Port SFP+ 10G NIC	01GY648	
		AJ0G	No	Single Port QSFP 40G NIC	01GY649	
		AJ0H	No	Dual Port QSFP 40G NIC	01GY650	
		AJ0J	No	Dual Port 10GBase-T NIC	01GY651	
		AJ0N	Yes	SFP+ Optical Module SR	01GY655	
		AJ0P	Yes	SFP+ Optical Module LR	01GY656	
		AJ16	Yes	QSFP Optical Module SR	01LK082	
		AJ00	Yes	4 TB Mid-workload Data Drive	01GY617	ST4000VN0001
		AJ0Y	Yes	4 TB High-workload Data Drive	01LK103	ST4000NM0115
		N/A	Yes	6 TB Low-workload Data Drive	01GY618	WD6001F4PZ
		AJ02	Yes	6 TB Mid-workload Data Drive	01GY619	WD6001F9YZ, ST6000VN001
		AJ03, AJ0Z	Yes	6 TB High-workload Data Drive	01GY620	ST6000NM0024, ST6000NM0115
		AJ04	Yes	8 TB Low-workload Data Drive	01GY621	ST8000AS0002
		AJ05	Yes	8 TB Mid-workload Data Drive	01GY622	ST8000NE0001

Appliance marketing name	IBM MTM	Feature Code	Customer Installable	Description	IBM P/N	Drive Manufacturer P/N
		AJ06, AJ10	Yes	8 TB High-workload Data Drive	01GY623	ST8000NM0055, ST8000NM0016
		AJ11	Yes	10 TB High-workload Data Drive	01LK104	ST1000NM0016
		AJ12	Yes	12 TB High-workload Data Drive (Primary)	02AE588	ST12000NM0007
		AJ12	Yes	12 High-workload Data Drive (Alternate)	02AE569	HUH721212ALE604

## Chapter 9. Slicestor 3448

### Slicestor 3448

Appliance Marketing Name	IBM MTM	Feature Code	Customer Installable	Description	IBM P/N	Drive Manufacturer P/N
Slicestor 3448	340x-S02	Base Model	Yes	Power Supply Module	01GY633	
		Base Model	Yes	OS Drive	01GY624	
		Base Model	Yes	Rail Kit	01GY657	
		Base Model	Yes	Fan	01GY659	
		Base Model	No	Memory Kit - 8 x 16G DIMMs	01GY639	
		Base Model	No	Host Bus Adapter	01GY646	
		AJ0Q	Yes	Cable Management Arm	01GY658	
		AJ0E	No	Dual Port SFP+ 10G NIC	01GY647	
		AJ0F	No	Quad Port SFP+ 10G NIC	01GY648	
		AJ0G	No	Single Port QSFP 40G NIC	01GY649	
		AJ0H	No	Dual Port QSFP 40G NIC	01GY650	
		AJ0J	No	Dual Port 10GBase-T NIC	01GY651	
		AJ0N	Yes	SFP+ Optical Module SR	01GY655	
		AJ0P	Yes	SFP+ Optical Module LR	01GY656	
		AJ16	Yes	QSFP Optical Module SR	01LK082	
		AJ00	Yes	4 TB Mid-workload Data Drive	01GY617	ST4000VN0001
		AJ0Y	Yes	4 TB High-workload Data Drive	01LK103	ST4000NM0115
		N/A	Yes	6 TB Low-workload Data Drive	01GY618	WD6001F4PZ
		AJ02	Yes	6 TB Mid-workload Data Drive	01GY619	WD6001F9YZ, ST6000VN001
		AJ03, AJ0Z	Yes	6 TB High-workload Data Drive	01GY620	ST6000NM0024, ST6000NM0115
		AJ04	Yes	8 TB Low-workload Data Drive	01GY621	ST8000AS0002
		AJ05	Yes	8 TB Mid-workload Data Drive	01GY622	ST8000NE0001

<b>Appliance Marketing Name</b>	<b>IBM MTM</b>	<b>Feature Code</b>	<b>Customer Installable</b>	<b>Description</b>	<b>IBM P/N</b>	<b>Drive Manufacturer P/N</b>
		AJ06, AJ10	Yes	8 TB High-workload Data Drive	01GY623	ST8000NM0055, ST8000NM0016
		AJ11	Yes	10 TB High-workload Data Drive	01LK104	ST1000NM0016
		AJ12	Yes	12 TB High-workload Data Drive (Primary)	02AE588	ST12000NM0007
		AJ12	Yes	12 High-workload Data Drive (Alternate)	02AE569	HUH721212ALE604



## Chapter 10. Slicestor 2584

### Slicestor 2584

Appliance marketing name	IBM MTM	Feature Code	Customer Installable	Description	IBM P/N	Drive Manufacturer P/N	Serial Number Range
Slicestor 2584	340x-S03	Base Model	Yes	2.2 kW Power Supply Module <sup>1</sup>	02AE598		137LA00 to 137ZZ99
		Base Model	Yes	2.8 kW Power Supply Module <sup>1</sup>	01GY669		137AA00 to 137KZ99
		Base Model	Yes	2.8 kW Power Supply Module (Taiwan RoHS BSMI certified) <sup>1</sup>	02AE553		137AA00 to 137KZ99
		Base Model	Yes	AP-LS-1 Compute Canister <sup>1</sup>	02AE597		137LA00 to 137ZZ99
		Base Model	Yes	AP-TL-1 Compute Canister <sup>1</sup>	01GY675		137AA00 to 137KZ99
		Base Model	No	Expander Sideplane	01GY676		
		Base Model	Yes	Rail Kit	01GY674		
		Base Model	Yes	Fan	01GY672		
		Base Model	Yes	Mellanox QSFP to SFP+ Cage <sup>2</sup>	01GY670		
		Base Model	Yes	Mellanox 10 GbE SFP+ Optical Module	01GY671		
		Base Model	Yes	Power Cable	01GY673		
		Base Model	Yes	Serial Cable	01GY678		
		AJ0U	Yes	4 TB High-workload Data Drive	01GY679	ST4000NM0024, ST4000NM0035	
		AJ0V	Yes	6 TB High-workload Data Drive	01GY680	ST6000NM0024, ST6000NM0015	
		AJ0X	Yes	8 TB High-workload Data Drive	01GY681	ST8000NM0055	
		AJ0W	Yes	8 TB Low-workload Data Drive	01GY682	ST8000AS0002	
		AJ11	Yes	10 TB High-workload Data Drive	01ML866	ST10000NM0086	

Appliance marketing name	IBM MTM	Feature Code	Customer Installable	Description	IBM P/N	Drive Manufacturer P/N	Serial Number Range
		AJ12	Yes	12 TB High-workload Data Drive	02AE574	ST12000NM007	

1: Compute canisters and power supplies must be replaced with like kind. To determine which power supply or compute canister you have, reference the serial number range column.

2: The QSFP to SFP adapter is only for AP-TL-1 Compute Canisters.

---

## Notices

This information was developed for products and services offered in the US. This material might be available from IBM® in other languages. However, you may be required to own a copy of the product or product version in that language in order to access it.

IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not grant you any license to these patents. You can send license inquiries, in writing, to:

*IBM Director of Licensing  
IBM Corporation  
North Castle Drive  
Armonk, NY 10504-1785  
U.S.A.*

For license inquiries regarding double-byte character set (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

*Intellectual Property Licensing  
Legal and Intellectual Property Law  
IBM Japan, Ltd.  
19-21, Nihonbashi-Hakozakicho, Chuo-ku  
Tokyo 103-8510, Japan*

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM websites are provided for convenience only and do not in any manner serve as an endorsement of those websites. The materials at those websites are not part of the materials for this IBM product and use of those websites is at your own risk.

IBM may use or distribute any of the information you provide in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

*IBM Director of Licensing*  
*IBM Corporation*  
*North Castle Drive, MD-NC119*  
*Armonk, NY 10504-1785*  
*US*

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

The performance data discussed herein is presented as derived under specific operating conditions. Actual results may vary.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

Statements regarding IBM's future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

All IBM prices shown are IBM's suggested retail prices, are current and are subject to change without notice. Dealer prices may vary.

This information is for planning purposes only. The information herein is subject to change before the products described become available.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

#### COPYRIGHT LICENSE:

This information contains sample application programs in source language, which illustrate programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to IBM, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. IBM, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs. The sample programs are provided "AS IS", without warranty of any kind. IBM shall not be liable for any damages arising out of your use of the sample programs.

If you are viewing this information softcopy, the photographs and color illustrations may not appear.

---

## Trademarks

IBM, the IBM logo, and [ibm.com](http://ibm.com)<sup>®</sup> are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the web at Copyright and trademark information at [www.ibm.com/legal/copytrade.shtml](http://www.ibm.com/legal/copytrade.shtml).

Accesser<sup>®</sup>, Cleversafe<sup>®</sup>, ClevOS<sup>™</sup>, Dispersed Storage<sup>®</sup>, dsNet<sup>®</sup>, IBM Cloud Object Storage Accesser<sup>®</sup>, IBM Cloud Object Storage Dedicated<sup>™</sup>, IBM Cloud Object Storage Insight<sup>™</sup>, IBM Cloud Object Storage Manager<sup>™</sup>, IBM Cloud Object Storage Slicestor<sup>®</sup>, IBM Cloud Object Storage Standard<sup>™</sup>, IBM Cloud Object Storage System<sup>™</sup>, IBM Cloud Object Storage Vault<sup>™</sup>, SecureSlice<sup>™</sup>, and Slicestor<sup>®</sup> are trademarks or registered trademarks of Cleversafe, an IBM Company and/or International Business Machines Corp.

Other product and service names might be trademarks of IBM or other companies.







Printed in USA