

DECLARATION OF CONFORMITY

We : Hitachi Vantara Nederland BV
Heksekamp 31
5301LX Zaltbommel
The Netherlands

as the representative of

Manufacturing Plant:
UMC H Electronics Co.,Ltd
1 Horiyamashita, Hadano-shi, Kanagawa, 259-1304 Japan
and
Hitachi Computer Products (America),Inc.
1800 East Imhoff Rd., Norman, OK 73071,U.S.A.

declare under our sole responsibility that the products

Name: Disk Storage System (DW1000 Series)

Models: CBLx, CHBBx, DBS2x, DBSx, DBLx DB60x, DBNx
(DW1000-CBLx, DW-F1000-CHBBx, DW-F1000-DBS2x,
DW-F1000-DBSx, DW-F1000-DBLx, DW-F1000-DB60x,
DW-F1000-DBNx, DW-F850-DBNx)
(x = A-Z, 0-9 or blank)

To which this declaration relates is in conformity with the following standards or other
normative documents:

EMC Directive:
EN55032:2015+A11 (ClassA)
EN55035:2017+A11
EN61000-3-2:2014
EN61000-3-3:2013

Low Voltage Directive:
EN62368-1:2014+A11

And therefore conforms with the protection requirements Council Directives
2014/30/EU and 2014/35/EU relating to electromagnetic compatibility and Low Voltage.

The Netherlands, 5-12-2021
(place, Date)

(signature)

R van Luyk
VP Global Supply Chain

Technical Documentation for electromagnetic compatibility and Low Voltage.

This technical document contains confidential information of the products.
Do not use these technical documents for the purpose other than the
Declaration of Conformity.

Table of Contents

1. General description of the Product

- 1) *Product Name / Model Name*
- 2) *Type Designation*
- 3) *Summary Specifications*
- 4) *Manuals*
- 5) *Rating Label and CE Mark (including the location)*

2. Applied Standards

- *EMC directive*
- *Low Voltage directive*

3. EMC Directive

- *Test Report*

4. Low Voltage Directive

- *Test Report and Photo Documentation*

The Netherlands, 5-12-2021
(place, Date)

(signature)

Ruben Luyt
VP Global Supply Chain

Japan, 19/11/21
(place, Date)

Kazuhiro Murata
Kazuhiro Murata
Department Manager
Development Quality Assurance Dept. 1.
Product Quality Assurance

1. General description of the Product

1) Product Name / Model Name

Product Name: Disk Storage System (DW1000 Series)

*Model Name: CBL_x, CHBB_x, DBS2_x, DBS_x, DBL_x DB60_x, DBN_x
(DW1000-CBL_x, DW-F1000-CHBB_x, DW-F1000-DBS2_x,
DW-F1000-DBS_x, DW-F1000-DBL_x, DW-F1000-DB60_x,
DW-F1000-DBN_x, DW-F850-DBN_x)
(_x = A-Z, 0-9 or blank)*

2) Type Designation

Refer to the Installation Section of Maintenance Manual

3) Summary Specifications

Refer to the Theory of Operation Section of Maintenance Manual

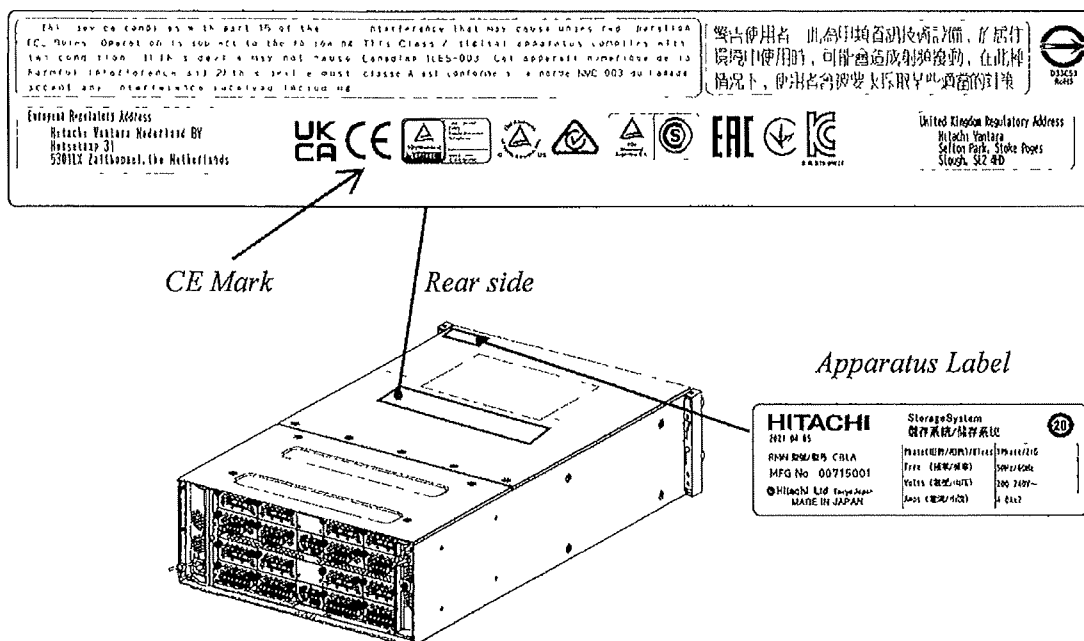
4) Manuals

a) Users Guides

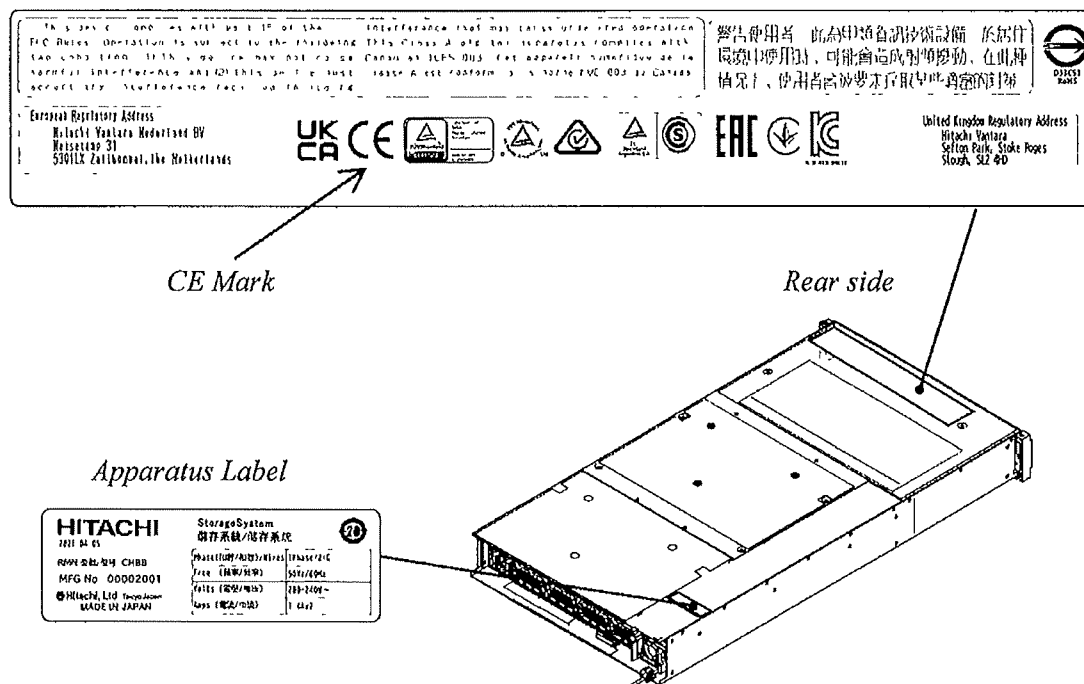
b) Maintenance Manual

5) Rating Label and CE Mark (including the location)

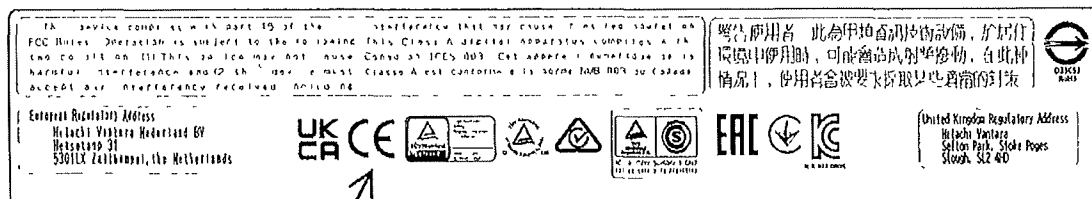
For CBLx (DW1000-CBLx)



For CHBBx (DW-F1000-CHBBx)



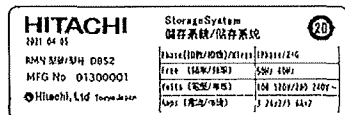
For DBS2x (DW-F1000-DBS2x)



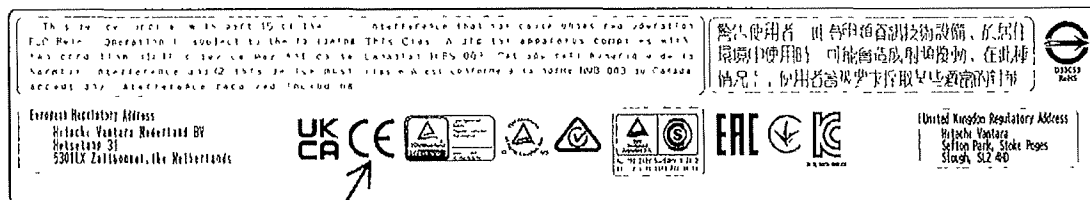
CE Mark

Rear side

Apparatus Label



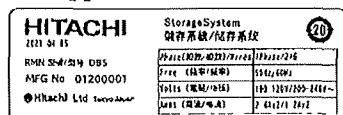
For DBSx (DW-F1000-DBSx)



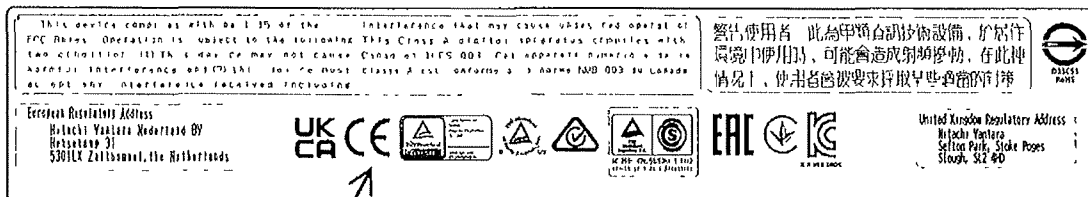
CE Mark

Rear side

Apparatus Label



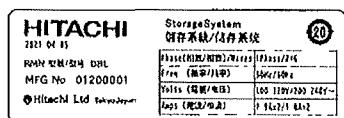
For DBLx (DW-F1000-DBLx)



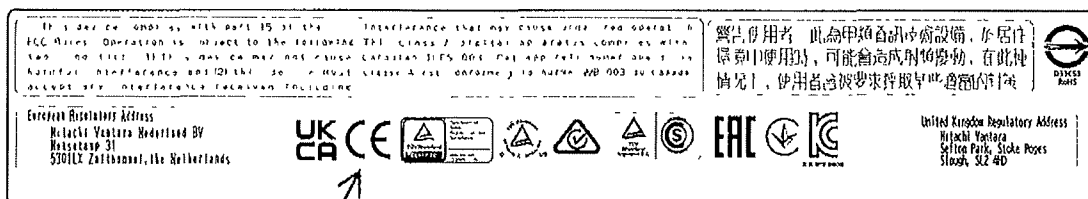
CE Mark

Rear side

Apparatus Label



For DB60x (DW-F1000-DB60x)



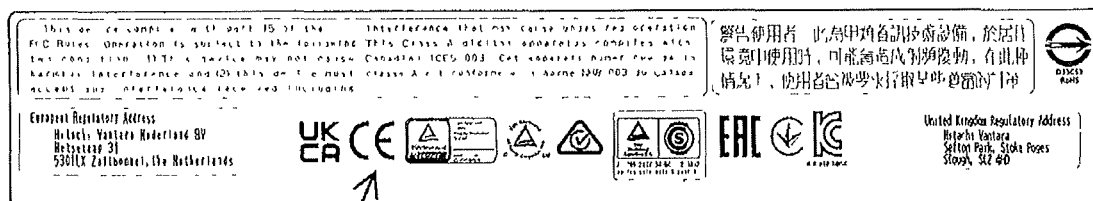
CE Mark

Rear side

Apparatus Label



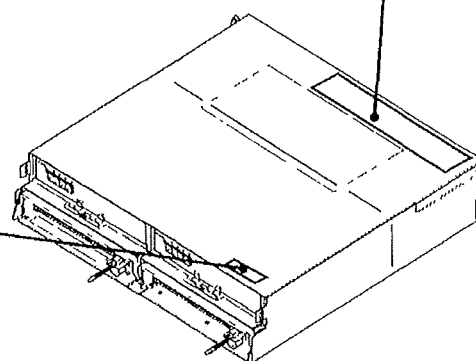
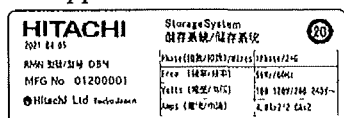
For DBNx (DW-F1000-DBNx)



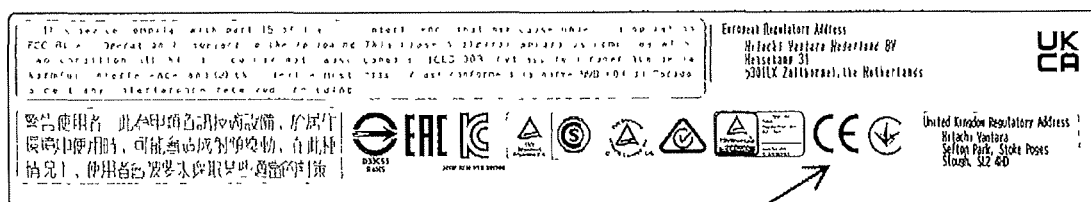
CE Mark

Rear side

Apparatus Label



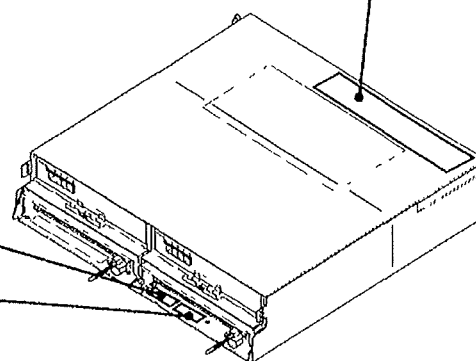
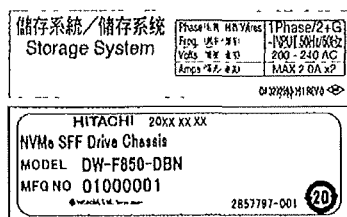
For DBN_x (DW-F850-DBN_x)



CE Mark

Rear side

Apparatus Label



2..Applied Standards

•EMC directive

<i>Emission</i>	EN55032:2015+A11 (Class A)
	EN61000-3-2:2014
	EN61000-3-3 2013
<i>Immunity</i>	EN55035:2017+A11
	EN61000-4-2:2009
	EN61000-4-3:2006+A1+A2
	EN61000-4-4:2012
	EN61000-4-5:2014+A1
	EN61000-4-6:2014
	EN61000-4-8:2010
	EN61000-4-11:2004+A1

•Low Voltage directive

<i>Safety</i>	EN62368-1:2014+A11
---------------	--------------------

3. EMC Directive

• *Test Report*

01)	13744671S-A
02)	13797541S-A
03)	13861408S-A
04)	13918058S-A

4. Low Voltage Directive

• *Test Report and Photo Documentation*

1)	<i>DBS2, DBS, DBL, DBN</i>	<i>JP211UNU</i>
2)	<i>DB60</i>	<i>JP21835W</i>
3)	<i>CBL, CHBB</i>	<i>60379914</i>

Update history

Rev	Date	Contents
0	2021/7/09	First Edition
1	2021/11/12	Add CBL,CHBB and DBN

Hitachi Information &
Telecommunication Engineering, Ltd.
Mr. Mikihiro Sato Development Dept.
1, Group 4
Innovation Engineering Div. 3
1 Horiyamashita
Hadano-shi, Kanagawa
259-1304 Japan

Date : 06.07.2021
Our ref. : YKO ZJL
Your ref.: IE1-PS3613-2

Ref : R TÜV-Mark Approval

Type of Equipment : Disk Storage System
Model Designation : See Certificate
Certificate No. : R 50510493 0001 ~ 0003
Report No. : JP21IHWX 001

Dear Mr. Mikihiro Sato,

Please find enclosed certification documents as specified above.

Please forward these originals to the certificate holder.

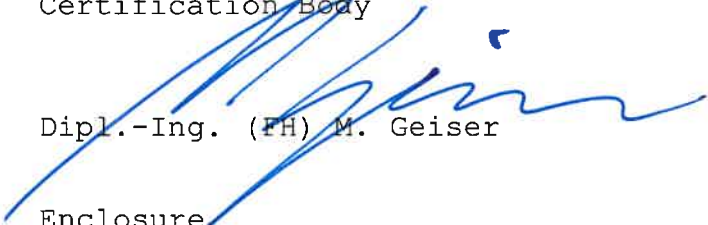
If you contact our office, please quote our reference above.

We thank you for your cooperation.

The license holder is: Hitachi, Ltd.
1 Horiyamashita
Hadano-shi, Kanagawa
259-1392 Japan

With kind regards,

Certification Body


Dipl.-Ing. (FH) M. Geiser

Enclosure

Hitachi, Ltd.

Date : 06.07.2021

Our ref. : YKO ZJL

Your ref.: IE1-PS3613-2

1 Horiyamashita
Hadano-shi, Kanagawa
259-1392 Japan

Ref : R TÜV-Mark Approval

Type of Equipment : Disk Storage System
Model Designation : See Certificate
Certificate No. : R 50510493 0001 ~ 0003
Report No. : JP21IHWX 001

Dear Ladies and Gentlemen,

The above specified technical equipment has been tested and found to be in accordance with the relevant requirements.

Please find enclosed your certificate.

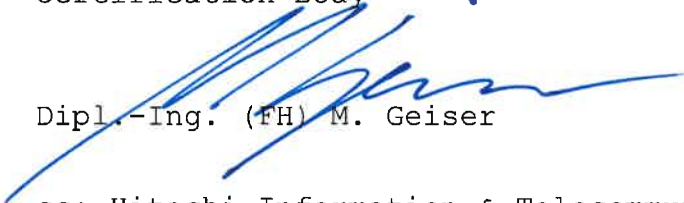
As the photo documentation is the evidence of certification, you need to keep the authorized copy for reference purposes as long as your certificate remains valid and the products are being sold.

If cancellation of the certificate is submitted by 15 November in a given year, no fee will be charged for the following year.

We appreciate your support and would like to offer our assistance in the approval of your future products through our extensive range of technical services. Please feel free to contact us whatever your requirements may be.

With kind regards,

Certification Body


Dipl.-Ing. (FH) M. Geiser

cc: Hitachi Information & Telecommunica

Enclosure

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50510493

Blatt *Sheet*
0001

Ihr Zeichen *Client Reference*
IE1-PS3613-2

Unser Zeichen *Our Reference*
ZJL-YKO-JP21IHWX 001

Ausstellungsdatum *Date of Issue*
06.07.2021 (day/mo/yr)

Genehmigungsinhaber *License Holder*
Hitachi, Ltd.
1 Horiyamashita
Hadano-shi, Kanagawa
259-1392 Japan

Fertigungsstätte *Manufacturing Plant*
UMC H Electronics Co., Ltd.
1 Horiyamashita
Hadano-shi, Kanagawa
259-1304 Japan

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*
EN 62368-1:2014+A11

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Disk Storage Disk Storage System

Type Designations:	1) MDKC910I-SBXx	10
	2) MDKC910I-UBXx	5
	3) MDKC910I-NBXx	5
	DW-F850-DBNxx	5
	(x = 0-9, A-Z or blank)	

Rated Voltage: 200-240 V AC, 50/60 Hz
Rated Current: 1) 2 x 1.6 A 2) 2 x 1.0 A 3) 2 x 2.0 A
Protection Class: I

Remark: Previous license R 50437108.

25

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety



Zertifizierungsstelle

Dipl.-Ing. (FH) M. Geiser

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50510493

Blatt *Sheet*
0002

Ihr Zeichen *Client Reference*
IE1-PS3613-2

Unser Zeichen *Our Reference*
ZJL-YKO-JP21IHWX 001

Ausstellungsdatum *Date of Issue*
06.07.2021 (day/mo/yr)

Genehmigungsinhaber *License Holder*
Hitachi, Ltd.
1 Horiyamashita
Hadano-shi, Kanagawa
259-1392 Japan

Fertigungsstätte *Manufacturing Plant*
UMC H Electronics Co., Ltd.
1 Horiyamashita
Hadano-shi, Kanagawa
259-1304 Japan

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*
EN 62368-1:2014+A11

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Disk Storage Disk Storage System, as sheet 0001

Addition

Type Designations:	1) DBS2	1
	2) DBL	1
	3) DBS	1
	4) DBN	1

Rated Voltage: 100-120/200-240 V AC; 50/60 Hz

Rated Current: 1) 2 x 3.2/1.6 A 2) 2 x 1.9/1.0 A
3) 2 x 2.4/1.2 A 4) 2 x 4.0/2.0 A

4



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety

Dipl.-Ing. (FH) M. Geiser

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50510493

Blatt *Sheet*
0003

Ihr Zeichen *Client Reference*
IE1-PS3613-2

Unser Zeichen *Our Reference*
ZJL-YKO-JP21IHWX 001

Ausstellungsdatum *Date of Issue*
06.07.2021 (day/mo/yr)

Genehmigungsinhaber *License Holder*
Hitachi, Ltd.
1 Horiyamashita
Hadano-shi, Kanagawa
259-1392 Japan

Fertigungsstätte *Manufacturing Plant*
Hitachi Computer Products
(America) Inc.
1800 East Imhoff Rd.
Norman OK 73071
USA

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*
EN 62368-1:2014+A11

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Disk Storage Disk Storage System, as sheet 0001

Addition

Factory: (see above)



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety

Dipl.-Ing. (FH) M. Geiser

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50515124

Blatt *Sheet*
0001

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i>
IE1-PS3613-4	ZJL-YKO-50191813 008	19.08.2021	(day/mo/yr)

Genehmigungsinhaber *License Holder*
Hitachi, Ltd.
1 Horiyamashita
Hadano-shi, Kanagawa
259-1392 Japan

Fertigungsstätte *Manufacturing Plant*
UMC H Electronics Co., Ltd.
1 Horiyamashita
Hadano-shi, Kanagawa
259-1304 Japan

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*
EN 62368-1:2014+A11

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Disk Storage Disk Storage System

Type Designations:	1) MDKC910I-CBXx	10
	2) MDKC910I-HSNBXx	5
	(x = 0-9, A-Z or blank)	

Rated Voltage: AC 200-240 V, 50/60 Hz

Rated Current: 1) 2 x 3.6 A; 2) 2 x 0.6 A

Protection Class: I

Classification: Class 1 Laser Product

Remark: Previous license R 50437108.

15

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety



Zertifizierungsstelle

Dipl.-Ing. (FH) M. Geiser

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50515124

Blatt *Sheet*
0002

Ihr Zeichen *Client Reference*
IE1-PS3613-4

Unser Zeichen *Our Reference*
ZJL-YKO-50191813 008

Ausstellungsdatum *Date of Issue*
19.08.2021
(day/mo/yr)

Genehmigungsinhaber *License Holder*
Hitachi, Ltd.
1 Horiyamashita
Hadano-shi, Kanagawa
259-1392 Japan

Fertigungsstätte *Manufacturing Plant*
Hitachi Computer Products
(America) Inc.
1800 East Imhoff Rd.
Norman OK 73071
USA

Prüfzeichen *Test Mark*



Type Approved
Safety
Regular Production
Surveillance

www.tuv.com
ID 1111243679

Geprüft nach *Tested acc. to*
EN 62368-1:2014+A11

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Disk Storage Disk Storage System, as sheet 0001

Additions

Type Designations: 1) CBLx 5
2) CHBBx 5
(x = 0-9, A-Z or blank)

Rated Current: 1) 2 x 4.0 A; 2) 2 x 1.4 A

Factory: (see above)

10

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety



Zertifizierungsstelle

Dipl.-Ing. (FH) M. Geiser

Certificate of compliance of European Directive 2011/65/UE (RoHS2)

Ref N: EDC RoHS 28-5-2018

We: Hitachi Vantara Nederland BV

Heksekamp 31

5301LX Zaltbommel

The Netherlands

As representatives of:

Manufacturer:

Hitachi , Information & Telecommunication Manufacturing Ltd

1 Horiyamashita, Hadano-shi, Kanagawa, 259-1304 Japan

and

Hitachi Computer Products (America), inc.

1800 East Imhoff Road Norman, Oklahoma 73071, USA

We, the undersigned, hereby certify that the following product and their by-products:

Name: Disk Storage System

Model: HM850 series. (see these Appendix A ref 18, 5/15/2018)

To which this declaration relates are in conformity with the following Directive 2011/65/EU (RoHS2)

Zaltbommel, May 28, 2018



P.J. Dalderop

Director

RoHS Compliance Materials Declaration for HM850 Series

Supplier: Hitachi Limited
Supplier Address: 6-6, Marunouchi 1-chome, Chiyoda-KU
City, State, Zip Code Tokyo, 100-8280
Country Japan

Reseller: Hitachi Data Systems Corporation
Reseller Address: 2845 Lafayette Street
City, State, Zip Code Santa Clara, California, 95050
Country USA

HTC certifies that the Hitachi Storage Products identified by their model code and listed in the "Model Code" of the attached schedule as Attachment A which are supplied by HTC to HDS for resale under the terms of the MASTER SALES AGREEMENT dated OCTOBER 1, 1995 by and between HTC and HDS ("Agreement"), comply with the laws and regulations regulating hazardous substances in Electronic and Electrical Equipment applicable to their manufacture.

Attachment A may be amended or supplemented from time to time by mutual written agreement of the parties.

Hitachi, Ltd., Information and Communication Technology Business Division

Date

16/5/2018

Signature

Takuya Okaki

Print Name

Takuya Okaki

Title

Department Manager
Storage Quality Assurance Dept. 1
Platform Quality Assurance Operation