

## DESCRIPTION

## PRODUCT COVERED:

USR, CNR: Component - Hard Disk Drive, Models DK211A-XY, DK211C-XY, DK221A-XY and DK221C-XY, DK212A-XY, DK222A-XY, DK213A-XY, and DK223A-XY, where X is 10-99, Y is A-Z or blank. Models MP680A, MP680S, MP510A, MP510S, MP340A, MP340S, DK214A-XY, DK224A-XY, DK225A-XY, DK226A-XY, DK227A-XY, DK236A-XY, DK237A-XY, DK228A-XY, DK238A-XY, DK229A-XY, DK239A-XY, DK22AA-XY, and \*DK23AA-XY, DK23BW-XY, DK23CW-XY, DK23DW-XY, DK23EA-XY where X is 01-99, Y and W are A-Z or blank.

## ELECTRICAL RATING:

Voltage: 5 V dc

Current: 1.2 A for Models DK211A-XY, DK211C-XY,  
MP680A, MP680S, MP510A, MP510S, DK212A-XY

1.1 A for Models DK221A-XY, DK221C-XY,  
MP340A, MP340S, DK222A-XY

0.5 A for Models DK213A-XY, DK223A-XY, DK227A-XY,  
DK237A-XY, DK228A-XY, DK238A-XY, DK229A-XY, DK239A-XY,  
DK22AA-XY, DK23AA-XY, DK23BW-XY, DK23CW-XY, DK23DW-XY,  
\*DK23EA-XY

0.53 A for Models DK214A-XY, DK224A-XY,  
DK225A-XY, DK226A-XY, and DK236A-XY

## ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

USR indicates investigation to the U.S. Standard for Safety of Information Technology Equipment, Including Electrical Business Equipment, UL 1950, Third Edition, dated July 28, 1995.

CNR indicates investigation to the Canadian Standard for the Safety of Information Technology Equipment, Including Electrical Business Equipment, CAN/CSA-C22.2 No. 950-M95.

Use - For use only in (or with) complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

The component was submitted by the manufacturer for use in a maximum air ambient of 55°C.

Conditions of Acceptability - When installed in the end product, consideration shall be given to the following:

1. This component has been judged on the basis of the required spacings in the Standard for Safety of Information Technology Equipment, Including Electrical Business Equipment, UL 1950, CSA22.2 No. 950, Sub-clause 2.9, which would cover the component itself if submitted for Listing.
2. The terminals and connectors are suitable for factory wiring only.
3. A suitable enclosure and mounting means should be provided when the unit is installed in the end-use product.
4. The temperature should be checked in the end-use product to ensure that adequate ventilation is provided to prevent overheating of components.
5. Models DK237A-XY, DK228A-XY, DK238A-XY, DK229A-XY, DK239A-XY, DK22AA-XY, \*DK23AA-XY, DK23BW-XY, DK23CW-XY, DK23DW-XY, DK23EA-XY shall be supplied by power from Limited Power Source of end-product.

附件二

符合性聲明書  
Declaration of Conformity

報驗義務人代碼 Code of the applicant	編號 Number
D33082	

本符合性聲明書應依商品檢驗法規定備齊相關技術文件後始得簽具  
Please check all the related technical documents in accordance with the Commodity Inspection Act before signing the form.

報驗義務人：新加坡商日立亞洲股份有限公司 台北分公司

Obligatory Applicant

地址：台北市敦化北路 167 號 3 樓 A 室

Address

電話：02-2718-8777

Telephone

商品中(英)文名稱：硬碟機

Commodity Name

Hard Disk Drive

商品型式(或型號)：DK23EA-60, DK23EA-40, DK23EA-30, DK23EA-20

Commodity Type (Model)

符合之檢驗標準及版次：CNS13438(86年版)

Standard(s) and version

試驗報告編號：T910419A02

Test Report Number

試驗室名稱及代號：誠信科技股份有限公司

Testing laboratory name and designation number

SL2-IN-E-0003

茲聲明上述商品符合商品檢驗法符合性聲明之規定，若因違反本聲明書所聲明之內容，願意擔負相關法律責任。

I hereby declare that the listed commodity conforms to Declaration of Conformity requirements stipulated in the Commodity Inspection Act. I agree to take any legal obligations should violations against the Declaration of Conformity occur.

報驗義務人：新加坡商日立亞洲股份有限公司 台北分公司 (簽章)

Obligatory Applicant

(Signature)

中華民國九十一年四月二十二日  
DATE (year) (month) (day)

# Zertifikat

# Certificate



Zertifikat Nr. Certificate No.  
R 95688

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Ihr Zeichen Client Reference  
DK23D-SAFETY-2

Unser Zeichen Our Reference  
ZJ-EO- 00095687 036

Ausstellungsdatum  
21.03.2002

Date of Issue  
(day/mo/yr)

Genehmigungsinhaber License Holder  
Hitachi, Ltd.  
2880 Kozu  
ODAWARA-SHI, KANAGAWA 256-8510  
JAPAN

Fertigungsstätte Manufacturing Plant  
Hitachi, Ltd.  
2880 Kozu  
ODAWARA-SHI, KANAGAWA 256-8510  
JAPAN

Prüfzeichen Test Mark



Geprüft nach Tested acc. to  
IEC 60950:1991+A1+A2+A3+A4  
EN 60950:1992+A1+A2+A3+A4+A11

Zertifiziertes Produkt (Geräteidentifikation)  
Certified Product (Product Identification)

Lizenzentgelte - Einheit  
License Fee - Unit

Plattenspeicher Disk Storage

Addition

Type Designation : DK23EA-xy  
x = 01 - 99  
y = A - Z or blank  
Rated Voltage : DC 5V  
Rated Current : 0.5A

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ANLAGE (Appendix): 1.7

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above-mentioned-requirements, the production is subject to surveillance.

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln

Tel.:(+49/221)8 06 - 13 71 Fax:(+49/221)8 06 - 39 35 e-mail: Althoff@de.tuv.com

Zertifizierungsstelle



Dipl.-Ing. M. Lechtermann

# 정보통신기기 인증서

## *Certificate of Information and Communication Equipment*

인 증 종 류 전자파적합등록(EMC Registration)  
*Certification Type*

성 명 또 는 상 호 히다찌아시아(홍콩)리미티드  
*Trade Name or Applicant*

기 기 의 명 칭 HDD  
*Equipment Name*

기 기 의 모 델 명 DK23EA-60  
*Model Number of Equipment*

인 증 번 호 E-H011-02-1369(B)  
*Certification No*

제 조 자 및 제 조 국 가 HITACHI, LTD./일본  
*Manufacturer and Country of Origin*

인 증 년 월 일 2002년(Year) 04월(Month) 11일(Date)  
*Date of Certification*

기 타 제조국추가: 필리핀  
*Others*

위 기기는 정보통신기기 인증규칙에 의해 인증되었음을 증명합니다.

*It is certified that foregoing equipment has been certificated under the provisions of the Regulations on Certification of Information and Communication Equipment.*

2002년(Year) 04월(Month) 30일(Date)

전 파 연 구 소 장

*Director General of Radio Research Laboratory  
Ministry of Information and Communication  
Republic of Korea*

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성 명 또 는 상 호 히다찌아시아(홍콩)리미티드  
*Trade Name or Applicant*

기 기 의 명 칭 HDD  
*Equipment Name*

기 기 의 모 델 명 DK23EA-40  
*Model Number of Equipment*

인 증 번 호 E-H011-02-1368(B)  
*Certification No*

제 조 자 및 제 조 국 가 HITACHI, LTD./일본  
*Manufacturer and Country of Origin*

인 증 년 월 일 2002년(Year) 04월(Month) 11일(Date)  
*Date of Certification*

기 타 제조국추가: 필리핀  
*Others*

위 기기는 정보통신기기 인증규칙에 의해 인증되었음을 증명합니다.

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## *Certificate of Information and Communication Equipment*

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*Certification Type*

성 명 또 는 상 호 히다찌아시아(홍콩)리미티드  
*Trade Name or Applicant*

기 기 의 명 칭 HDD  
*Equipment Name*

기 기 의 모 델 명 DK23EA-30  
*Model Number of Equipment*

인 증 번 호 E-H011-02-2524 ( B )  
*Certification No*

제 조 자 및 제 조 국 가 HITACHI, LTD./일본  
*Manufacturer and Country of Origin*

인 증 년 월 일 2002년(Year) 06월(Month) 18일(Date)  
*Date of Certification*

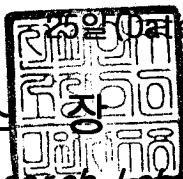
기 타 제조국추가: 필리핀  
*Others*

위 기기는 정보통신기기 인증규칙에 의해 인증되었음을 증명합니다.

*It is certified that foregoing equipment has been certificated under the provisions of the Regulations on Certification of Information and Communication Equipment.*

2002년(Year) 06월(Month) 18일(Date)

전 파 연 구 소



*Director General of Radio Research Laboratory  
Ministry of Information and Communication  
Republic of Korea*

# 정보통신기기 인증서

## Certificate of Information and Communication Equipment

인증종류 전자파적합등록(EMC Registration)  
*Certification Type*

성명또는상호 히다찌아시아(홍콩)리미티드  
*Trade Name or Applicant*

기기의명칭 HDD  
*Equipment Name*

기기의모델명 DK23EA-20  
*Model Number of Equipment*

인증번호 E-H011-02-1367(B)  
*Certification No*

제조사및제조국가 HITACHI, LTD./일본  
*Manufacturer and Country of Origin*

인증년월일 2002년(Year) 04월(Month) 11일(Date)  
*Date of Certification*

기타 제조국추가: 필리핀  
*Others*

위 기기는 정보통신기기 인증규칙에 의해 인증되었음을 증명합니다.

*It is certified that foregoing equipment has been certificated under the provisions of the Regulations on Certification of Information and Communication Equipment.*

2002년(Year) 04월(Month) 30일(Date)

전파연구소장

*Director General of Radio Research Laboratory  
Ministry of Information and Communication  
Republic of Korea*



# HITACHI

## SUPPLIER'S DECLARATION OF CONFORMITY ( for C-tick marking )

Declaration of Conformity with Electromagnetic Compatibility Standards  
as Required under the Radio communications Act.

We : Hitachi Australia Ltd.  
13-15 Lyonpark Road , North Ryde NSW 2113, Australia

as the representative of

Manufacturer · Hitachi Ltd., Data Storage Systems Division  
2880 Kozu, Odawara-shi, Kanagawa-ken, 256-8510 Japan  
and  
Hitachi Computer Products (Asia) Corp.  
Laguna Technopark, Binan Laguna Philippines

ACN 075 381 332 Supplier Code (if applicable) N155

declare under our sole responsibility that the products:


Product : Hard Disk Drive (2.5 inch)  
Models : DK23EA-xy  
x= "01" - "99" , y= blank or "A" - "Z"

to which this declaration relates is in conformity with the following standard(s):

Title	Number	Date of issue
<u>Information technology equipment</u>	<u>AS/NZS 3548 (Class B)</u>	<u>1995</u>
	<u>Amendment 1</u>	<u>1997</u>
	<u>Amendment 2</u>	<u>1997</u>

31 5 '02

(Place, Date)



Peter Steele

Technical Support Manager

Hitachi Australia Ltd.

Tel: 02-9888-4100, Fax: 02-9888-4144

# HITACHI

## DECLARATION OF CONFORMITY ( for CE marking )

We : Hitachi Ltd.  
declare under our sole responsibility that the products:

Product : Hard Disk Drive (2.5 inch)  
Models : DK23EA-xy  
          x= "01" - "99" , y= blank or "A" - "Z"

manufactured by:

Hitachi Ltd.  
Data Storage Systems Division  
2880 Kozu, Odawara-shi, Kanagawa-ken, 256-8510, Japan  
and  
Hitachi Computer Products (Asia) Corp.  
Laguna Technopark, Binan Laguna Philippines

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

EMC : EN 55 022 :1998 (Class B)  
      EN 55 024 :1998  
      ( EN 61000-4-3:1996 /A1:1998, EN 61000-4-5 :1995, EN 61000-4-6 :1996 )  
      ( EN 61000-4-11:1994 )

and therefore conforms with the protection requirements council Directives  
89/336/EEC relating to electromagnetic compatibility.

Date:

May , 31 , 2002

Signed:

Reijiro Tsuchiya

Place:

Hitachi Ltd.  
Data Storage Systems Division  
2880 Kozu, Odawara-shi, Kanagawa-ken,  
256-8510, Japan

Reijirou Tsuchiya  
Senior Director of Mobile HDD