

Industrial Services, Mobility and Transport,  
Product Safety and Quality, Education and  
Consulting, IT Services and Innovation



TÜV Rheinland Group

Sporton International Inc.  
Mr. Peter Wang, Vice President  
Safety Department  
14F-2, No. 186, Jianyi Rd.  
Junghe City, Taipei Hsien 235  
Taiwan

Date : 13.05.2009  
Our ref. : SSY ZTW1  
Your ref.: R932716\*4/Sporton

**Ref : R TÜV-Mark Approval**

Type of Equipment : Note Book  
Model Designation : See Certificate  
Certificate No. : R 50155115 0001  
Report No. : 10025479 001

Dear Mr. Peter Wang,

Enclosed please find above certification documents.  
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 certificate holder is: Micro-Star Int'l Co., Ltd.

With kind regards,

Certification Body

A handwritten signature in black ink, appearing to read 'A. Klinker'.

Dipl.-Ing. A. Klinker

Enclosure

**TÜV RHEINLAND TAIWAN LTD.**

7F, No. 2, Min Chuan E. Rd., Sec.3,  
Taipei 104, Taiwan, R.O.C.  
Tel. (02) 2516-6040  
Fax (02) 2504-5040  
<http://www.twn.tuv.com>

TAICHUNG BRANCH:  
10F, No. 219, Min Chuan Rd.,  
Taichung 403, Taiwan, R.O.C.  
Tel. (04) 2301-9898  
Fax (04) 2301-9696

KAOHSIUNG BRANCH:  
33F-3, No. 80, Min Tzu 1st Rd.,  
Kaohsiung 807, Taiwan, R.O.C.  
Tel. (07) 380-1722  
Fax (07) 380-1728

NANKANG BRANCH:  
No. 99-23, Nan Kang Rd., Sec. 2,  
Taipei 115, Taiwan, R.O.C.  
Tel. (02) 2783-6650  
Fax (02) 2783-7117

Micro-Star Int'l Co., Ltd.  
Ms. Alice Guo  
-  
69, Li-De St.  
Chung Ho City, Taipei Hsien 235  
Taiwan

Date : 13.05.2009  
Our ref. : SSY ZTW1  
Your ref.: R932716\*4/Sporton

**Ref : R TÜV-Mark Approval**

Type of Equipment : Note Book  
Model Designation : See Certificate  
Certificate No. : R 50155115 0001  
Report No. : 10025479 001

Dear Ms. Alice Guo,

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

Enclosed you will find the certificate of approval.

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

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

Please contact our office for approval of your new products.

With kind regards,

Certification Body



Dipl.-Ing. A. Klinker

CC: Sporton International Inc.

Enclosure

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# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50155115

Blatt *Page*  
0001

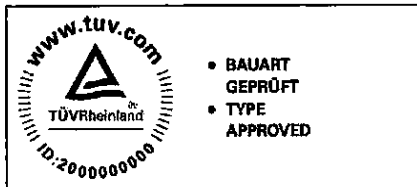
Ihr Zeichen *Client Reference*      Unser Zeichen *Our Reference*      Ausstellungsdatum      *Date of Issue*  
R932716\*4/Sporton      ZTW1-SSY- 10025479 001      13.05.2009      (day/mo/yr)

**Genehmigungsinhaber *License Holder***  
Micro-Star Int'l Co., Ltd.  
69, Li-De St.  
Chung Ho City, Taipei Hsien 235  
Taiwan

**Fertigungsstätte *Manufacturing Plant***  
MSI ELECTRONICS (KUNSHAN) CO., LTD.  
88E QIANJIN Rd., Kunshan City  
Jiangsu 215300  
P.R. China

## Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*  
EN 60950-1:2001+A11



Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

Personalcomputer (Note Book)

Bezeichnung : MS-173XXXX (msi)  
(Type Designation)

X steht für : 0-9, A-Z, a-z oder (or)  
(stands for) freibleibend (blank)

Nennspannung : DC 19V  
(Rated Voltage)

Nennstrom : 3.42A  
(Rated Current)

Schutzklasse : III  
(Protection Class)

Schutzart : abgedeckt  
(Kind of Protection) (covered)



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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.*

Zertifizierungsstelle

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln  
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com  
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

Dipl.-Ing. A. Klinker

Report No. 10025479 001 License No. R 50155115 Appendix No. 1

Total pages: 3

12-May-09

License Holder:	Micro-Star International Co., Ltd. 69, Li-De St. Chung Ho City, Taipei Hsien 235 Taiwan
Factory Address:	MSI ELECTRONICS (KUNSHAN) CO., LTD. 88E QIANJIN Rd., Kunshan City Jiangsu 215300 P.R. China
Type of appliance:	Note Book
Type designation:	MS-173XXXX (X = 0-9, a-z, A-Z, or blank)
Rating:	DC19V, 3.42A
Protection Class:	Class III
Ambient temperature:	40°C
Supply connection:	DC Connector
Comments:	2.74Kg

**Constructional dataform for electrical appliances**

object/part No.	manufac-turer/trademark	type/model	technical data	standard	mark(s) of conformity
<b>AC Adapter</b>	Delta Electronics, Inc.	ADP-65HB BX (X = B or blank)	I/P: 100-240Vac, 50-60Hz, 1.5A; O/P: DC19V, 3.42A. 40 degree C, Class I. Marked with "LPS" or "Limited Power Source".	EN 60950- 1/A11:2004 IEC 60950- 1:2001	TUV/Rh, CB by TUV
	Li Shin International Enterprise Corporation	0335A1965	I/P: 100-240Vac, 50-60Hz, 1.7A; O/P: DC19V, 3.42A. 40 degree C, Class I.	EN 60950- 1/A11:2004 IEC 60950- 1:2001	TUV/Rh, CB by TUV
Enclosure	SABIC Innovative plastics JAPAC L C C	C7230P	V-0 or better, min. 1.2 mm thickness. 85°C	UL 94	UL
LCD Panel	Chi Mei Optoelectronics	N17306-L02	17.3" TFT-LCD type.	--	--

TÜV Rheinland Group

(company)

12-May-09

(name of authorized person)

Signature

Date Name

Date Name  
licenseholder

Stamp & Signature of

LCD Panel	Chi Mei Optoelectronics Corp.	N17306-L02	17.3" TFT-LCD type. LED backlight: 3.58W	--	--
	AU Optronics Corporation	B173RW01 V0	17.3" TFT-LCD type. LED backlight:4.88W	--	--
DC Fan	Forcecon Tech Co., Ltd.	DFS531105MC0 T	DC5V, 0.5A, 7.4 CFM min.	EN 60950-1/A11:2004	TUV
PCB material	--	--	V-1 min., 105°C.	UL 796	UL
RTC Battery (Lithium) (RTC1)	Matsushita Electric Industrial Co. Ltd. (Panasonic Corp of North America)	CR2032	DC3.2V, 210mAh, max. reverse current 10mA.	UL 1642	UL
	Vic-Dawn Enterprise Co. Ltd.	CR2032	DC3V, 220mAh, max. reverse current 10mA.	UL 1642	UL
PTC Mainboard MS-17311 (F1,FA1) for USB port (F2),for HDMI port Mainboard MS-17341 (F2,FA1) for USB port (F1),for HDMI port	Tyco Electronics Crop. (Raychem)	MiniSMDC150F	Ih:1.5A, It:3.0A, 6V.	EN 60730-1:2000	TUV
	Littelfuse Inc	1812L150-C	Ih:1.5A, It:3.0A, 8V.	EN 60730-1:2000	TUV
	Bourns Inc.	MF-MSMF150	Ih:1.5A, It:3.0A, 6V.	EN 60730-1:2000	TUV
	Polytronics technology corp.	SMD1812P150T F/8	Ih:1.5A, It:3.0A, 6V.	EN 60730-1:2000	TUV
Hard Disc Drive (H.D.D.) (Optional)	Western Digital Technologie, Inc. or equivalent	WD series or equivalent	DC5V, 0.95A max.	EN 60950-1:2001	TUV
	Fujitsu Proprietary or equivalent	MHZ2xxxBz (x=0-9,A-Z or a-z, z=A, H or S)	DC5V, 0.6A max.	IEC/EN 60950-1:2001	TUV

TÜV Rheinland Group

(company)

24-Apr-09

(name of authorized person)

Signature \_\_\_\_\_  
Date \_\_\_\_\_ Name \_\_\_\_\_

Signature \_\_\_\_\_  
Date \_\_\_\_\_ Name \_\_\_\_\_  
licenseholder

Stamp & Signature of \_\_\_\_\_

	Toshiba Corp.	HDD2yyyx(x=A-Z, y=0-9 or A-Z) or equivalent	DC5V, 1.1A max. or 5V/3.3V, 0.7A/0.5A max.	IEC/EN 60950-1:2001	TUV
Optical Disc Drive (O.D.D.) (Optional)	Hitachi-LG Date Storage	GT10 series or equivalent	DC5V, 1.8A max. Class1 Laser Product.	EN 60950-1:2001, EN60825-1:1994+A1/+A2:2001	TUV
		CT1xy(x=0-9 or A-X, y=N,L,V orA) or equivalent	DC5V, 1.5A max. Class1 Laser Product.		TUV
	Sony NEC Optiarc Inc. or equivalent	AD-7580S or equivalent	DC5V, 1.5A max. Class1 Laser Product.		TUV
		AD-7560S or equivalent	DC5V, 1.5A max. Class1 Laser Product.		TUV
	Toshiba Samsung Storage Technology Korea Corporation or equivalent	TS-L633 or equivalent	DC5V, 1.5A or 1.3A. Class1 Laser Product.		TUV, Nemko (Ref Certif. No.: NO42511)
Speaker (Two Provided)	--	--	4Ω, 3W.	--	--
Battery pack	Celxpert Energy Corporation	BTY-L74	11.1Vdc, 4400mA.h, 40°C	IEC/EN 60950-1:2001	TUV,CB by TUV/SUD

TÜV Rheinland Group

(company)

24-Apr-09

(name of authorized person)

Signature \_\_\_\_\_ Date \_\_\_\_\_ Name \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_ Name \_\_\_\_\_

Stamp & Signature of \_\_\_\_\_