

IEC**IECEE**
CB
SCHEME

Ref. Certif. No.

DE 2-005507-M1

**IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME****SYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC****CB TEST CERTIFICATE
CERTIFICAT D'ESSAI OC**Product
Produit

LCD type computer

Name and address of the applicant
Nom et adresse du demandeurAdvantech Co., Ltd. 4F, No. 108-3, Ming Chuan Road
Hsin Tien City
Taipei Hsien 231, TaiwanName and address of the manufacturer
Nom et adresse du fabricantAdvantech Co., Ltd. 4F, No. 108-3, Ming Chuan Road
Hsin Tien City
Taipei Hsien 231, TaiwanName and address of the factory
Nom et adresse de l'usineAdvantech Co., Ltd. Fl.5, No.1, Lane 169,
Kang-Ning St., Xi Zhi,
Taipei Hsien 221, TaiwanRating and principal characteristics
Valeurs nominales et caractéristiques principales

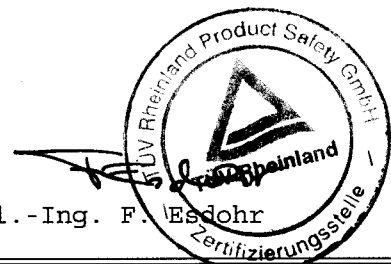
AC 100-250V; 50/60Hz; 3A; Class I

Trade mark (if any)
Marque de fabrique (si elle existe)

ADVANTECH

Model/type Ref.
Ref. de typePPC-xyyM
(xx= 12 or 15; y= 0-9)Additional information (if necessary)
Information complémentaire (si nécessaire)- alternative sources of DC fan for CPU
- see also test report ref.no. 21100551 001**PUBLICATION****EDITION**A sample of the product was tested and found
to be in conformity with
Un échantillon de ce produit a été essayé et a été
considéré conforme à laIEC 60601-1:1988+A1+A2
for national deviations see test reportAs shown in the Test Report Ref. No. which forms part
of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue une partie de ce Certificat

21100551 002

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification**TÜV Rheinland
Berlin Brandenburg**TÜV Rheinland Product Safety GmbH
Am Grauen Stein · D-51105 Köln
Phone + 49 221 806-1371
Fax + 49 221 806-3935
Mail: trps-certification@de.tuv.com
Web: www.tuv.com

Date: 07.01.2003

Signature:

Dipl.-Ing. F. Esdohr

TEST REPORT FOR AN ADDITIONAL APPROVAL**IEC 60601-1****Medical electric equipment
Part 1: General requirements for safety****Report**

Reference No.: 21100551 002

Compiled by (+ signature): Tobias Schneider

Approved by (+ signature): Ralf Knapp

Date of issue: Dec.30, 2002

Contents: 3 pages

This report is based on a blank test report that was prepared by KEMA using information obtained from the TRF originator (see below).

Testing laboratory

Name: TÜV Rheinland Product Safety GmbH

Address: Am Grauen Stein, Konstantin Wille-Str. 1, Cologne, Germany

Testing location: TÜV Rheinland Product Safety GmbH, Cologne, Germany

Client

Name: Advantech Co., Ltd.

Address: 4F., No. 108-3, Ming Chuan Rd. Hsin Tien City, Taipei Hsien 231,
Taiwan, R.O.C**Test specification**Standard: IEC 60601-1: 1988 + A1:1991 + A2:1995
EN 60601-1 : 1990 + A1:1993 + A2:1995

Test procedure: CB-Scheme

Procedure deviation: See 001 report

Non-standard test method: N.A.

Test Report Form/blank test report

Test Report Form No.: I601-1_C/97-07

TRF originator: UL

Master TRF: Dated 97-04

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Test item

Description: LCD type computer

Trademark: ADVANTECH trademark

Model and/or type reference: PPC-xyM (xx = 12 or 15, y = 0-9)

Manufacturer: Same as client

Factory: Advantech Co., Ltd.

Fl.5, No.1, Lane 169, Kang- Ning Street, Xi-Zhi, Taipei Hsien 221,
Taiwan, R.O.C.

Rating(s): I/P: 100-250Va.c., 50/60 Hz, 3A



The construction of the LCD type computer models PPC-xxyM was modified as follows:

- 1. Add two alternative sources of DC fan for CPU.

For the above described modification the following testing was considered to be necessary:

Modification	Testing	Comments	Result
1	N/A	The DC fans CFM ratings (12.0/15.5 CFM) of approved alternative sources are larger than previous sources of fan (8.47CFM), therefore no further testing is required. For source see appended table 56.1.	P

IEC 60601-1

Clause	Requirement Test	Result – Remark	Verdict
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56.1	TABLE: lists of critical component parts					P
object/part No.	manufacturer/ trademark	type/model	technical data	standard	mark(s) of conformity ¹⁾	
System Fan	Yen Sun	FD1250107B- 2A	12Vd.c., 0.14A, 12.0CFM	IEC60950	TUV, UL	
	Yen Sun	FD1250157B- 2A	12Vd.c., 0.17A, 15.5CFM	IEC60950	TUV, UL	

¹⁾ an asterisk indicates a mark which assures the agreed level of surveillance