

**IEC SYSTEM FOR CONFORMITY TESTING
AND CERTIFICATION OF ELECTRICAL
EQUIPMENT (IECEE)
CB SCHEME**

**SYSTÈME CEI D'ESSAIS DE CONFORMITÉ
ET DE CERTIFICATION DES ÉQUIPEMENTS
ÉLECTRIQUES (IECEE)
METHODE OC**

**CB TEST CERTIFICATE
CERTIFICAT D'ESSAI OC**

Product
Produit

Industrial Computer

Name and address of the applicant
Nom et adresse du demandeur

Advantech Co., Ltd.
4th Fl., 108-3 Ming-Chuan Rd., Shing-Tien City, Taipei Hsien Taiwan

Name and address of the manufacturer
Nom et adresse du fabricant

Advantech Co., Ltd.
4th Fl., 108-3 Ming-Chuan Rd., Shing-Tien City, Taipei Hsien Taiwan

Name and address of the factory
Nom et adresse de l'usine

See Appendix

Rating and principal characteristics
Valeurs nominales et caractéristiques principales

See Appendix

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

ADVANTECH

Model/type Ref.
Ref. de type

See Appendix

Additional information (if necessary)
Information complémentaire (si nécessaire)

IP20. This CB certificate is an appendix to CB certificate No. 5809 issued 2002-11-07 due to add of new model and change model designation and changed of applicant and factories address. See Appendix

PUBLICATION

EDITION

IEC 60950:1999

3rd

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 la

133526-02

as shown in the Test Report Ref. No. which form part of this certificate
comme indiqué dans le Rapport d'essais numéro de référence qui constitue une partie de ce certificat

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

Date 2003-11-26

Signature

Karina Christiansen
Certification Manager

UL International Demko A/S
Lyskaer 8, P.O. Box 514
DK-2730 Herlev, Denmark
Telephone: +45 44856565
Fax: +45 44856500



An Affiliate of
**Underwriters
Laboratories Inc.®**

Internal Ref.:
Jakob Petersen

Appendix to CB Certificate No. 5809/A1

The Certificate covers the following:

115/230 Vac, 50/60 Hz; 10/5 A; ACP-4001xx-yyzz, ACP-4060XX-XXXXX

(xx = BP, P4, yy = 25, 30, 2Z, 3Z, 3R, zz = Z, R, C1, C3, C4, C5, M3, M4 or blank. Where the X may be any alphanumeric character or blank.)

Production Site:

1) Advantech Co., Ltd.

5th, Fl. 1, Lane 169 Kang-Ning Street, Xi-Zhi Town Taipei Hsien, Taiwan

2) Advantech Co., Ltd.

3rd Fl, 10 Lane 130, Ming Chuan Rd, Hsin-Tien City, Taipei Hsien 231, Taiwan

3) Superior Co., Ltd.

Tiensong Area, Qingxing Town, Dongguan, Guangdong, China

4) Advantech Co., Ltd.

No. 600, Han-Pu Road, Yu-Shan, Kun-Shan, Jiang Su, China

5) Beijing Yan Hua Xing Ye Electronic Science & Technology Co., Ltd

No.7, 6th Street, Shang Di Zone, Haidian District, Beijing, P.R.China

Herlev, 2003-11-26


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Marque de fabrique (si elle existe)

ADVANTECH

Model/type Ref.
Ref. de type

See Appendix

Additional information (if necessary)
Information complémentaire (si nécessaire)

IP20. This CB certificate is an appendix to CB certificate No. 5810 issued 2002-11-07 due to add of new model and change model designation and changed of applicant and factories address. See Appendix

PUBLICATION

EDITION

A sample of the product was tested and found to be in conformity with
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IEC 60950:1999

3rd

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Jakob Petersen

Appendix to CB Certificate No. 5810/A1

The Certificate covers the following:

100-127/200-240 Vac, 50/60 Hz; 9/4.5 A; ACP-4001xx-yyzz, ACP-4060XX-XXXXX

(xx = BP, P4, yy = 25, 30, 2Z, 3Z, 3R, zz = Z, R, C1, C3, C4, C5, M3, M4 or blank. Where the X may be any alphanumeric character or blank.)

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Tiensong Area, Qingxing Town, Dongguan, Guangdong, China

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5) Beijing Yan Hua Xing Ye Electronic Science & Technology Co., Ltd

No.7, 6th Street, Shang Di Zone, Haidian District, Beijing, P.R.China

Herlev, 2003-11-26


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Nom et adresse du fabricant

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4th FL, 108-3 Ming-Chuan Rd., Shing-Tien City, Taipei Hsien Taiwan

Name and address of the factory

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See Appendix

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See Appendix

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Marque de fabrique (si elle existe)

ADVANTECH

Model/type Ref.

Ref. de type

See Appendix

Additional information (if necessary)

Information complémentaire (si nécessaire)

IP20. This CB certificate is an appendix to CB certificate No. 5811 issued 2002-11-07 due to add of new model and change model designation and changed of applicant and factories address. See Appendix

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 la

IEC 60950:1999

3rd

as shown in the Test Report Ref. No.

which form part of this certificate

comme indiqué dans le Rapport d'essais numéro de référence

qui constitue une partie de ce certificat

133526-02

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Date 2003-11-26

Signature

Karina Christiansen
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Internal Ref.:

Jakob Petersen

Appendix to CB Certificate No. 5811/A1

The Certificate covers the following:

100-240 Vac, 50/60 Hz; 6A; ACP-4001xx-yyzz, ACP-4060XX-XXXXX

(xx = BP, P4, yy = 25, 30, 2Z, 3Z, 3R, zz = Z, R, C1, C3, C4, C5, M3, M4 or blank. Where the X may be any alphanumeric character or blank.)

Production Site:

1) Advantech Co., Ltd.

5th, Fl. 1, Lane 169 Kang-Ning Street, Xi-Zhi Town Taipei Hsien, Taiwan

2) Advantech Co., Ltd.

3rd Fl, 10 Lane 130, Ming Chuan Rd, Hsin-Tien City, Taipei Hsien 231, Taiwan

3) Superior Co., Ltd.

Tiensong Area, Qingxing Town, Dongguan, Guangdong, China

4) Advantech Co., Ltd.

No. 600, Han-Pu Road, Yu-Shan, Kun-Shan, Jiang Su, China

5) Beijing Yan Hua Xing Ye Electronic Science & Technology Co., Ltd

No.7, 6th Street, Shang Di Zone, Haidian District, Beijing, P.R.China

Herlev, 2003-11-26


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Laboratories Inc.®**

COVER PAGE FOR TEST REPORT

IEC 60950 (1999) Third Edition.

Equipment:	Industrial Computer
Model/Type:	ACP-4001xx-yzzz, ACP-4060XX-XXXXX (xx = BP, P4, yy = 25, 30, 2Z, 3Z, 3R, zz = Z, R, C1, C3, C4, C5, M3, M4 or blank. Where the X may be any alphanumeric character or blank.)
Rated values from the marking plate:	1). 115/230 Vac, 50/60 Hz, 10/5 A or 2). 100-127/200-240 Vac, 50/60 Hz, 9/4.5 A or 3). 100-240 Vac, 50/60 Hz, 6 A See General Product Information for details.
Applicant:	ADVANTECH CO., LTD. 4TH FL., 108-3 MING-CHUAN RD., SHING-TIEN CITY, TAIPEI HSIEN TAIWAN
Manufactured at:	See General Product Information for details

This equipment has been tested according to standard IEC 60950 (1999) Third Edition.

All applicable tests according to the above specified standard(s) have been carried out.

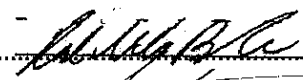
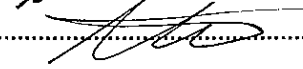

Test results are valid only for the tested equipment.

This Test Report can be reproduced only in whole.

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This test report includes the following documents:

1. Cover and Comment Pages - 1 page
2. Test Report - 4 pages

<p align="center">TEST REPORT IEC 60950 Safety of information technology equipment</p>	
Report Reference No.....	133526-02
Compiled by (+ signature).....	Rasul M. Balacu 
Reviewed by (+ signature)	Jakob Petersen 
Date of issue.....	2003 November 21
This report is based on a blank test report that was prepared by FIMKO using information obtained from the TRF originator (see below).	
Testing laboratory name	UL International Demko A/S
Address.....	Lyskaer 8, DK-2730 Herlev, Denmark
Testing location.....	Lyskaer 8, DK-2730 Herlev, Denmark
Client name.....	Advantech Co., Ltd.
Address.....	4TH FL., 108-3 MING-CHUAN RD., SHING-TIEN CITY, TAIPEI HSIEN TAIWAN
Standard	IEC 60950, 3 rd Edition (1999)
Test procedure	CB Scheme
Procedure deviation	Argentina, Austria, Belgium, Brazil, Canada, China, Czech Republic, Denmark, Finland, France, Germany, Hungary, Ireland, Italy, Korea, Netherlands, Norway, Poland, Portugal, Russian, Singapore, Slovakia, Slovenia, South Africa, Spain, Sweden, Switzerland, Turkey, United Kingdom, USA, CENELEC
Non-standard test method	N/A
Test Report Form/blank test report	
Test Report Form No.....	I950__F/00-03
TRF originator.....	FIMKO
Master TRF.....	dated 00-02
Copyright reserved to the bodies participating in the IECEE Schemes (CB and CB-FCS) and/or the bodies participating in the C.I.G (CCA-ENEC).	
Test item description	Industrial Computer
Trademark	
Model and/or type reference.....	ACP-4001xx-yyzz, ACP-4060XX-XXXXX (xx = BP, P4, yy = 25, 30, 2Z, 3Z, 3R, zz = Z, R, C1, C3, C4, C5, M3, M4 or blank. Where the X may be any alphanumeric character or blank.)
Manufacturer.....	Same as applicant See General Product Information for factory information details.
Rating(s)	1). 115/230 Vac, 50/60 Hz, 10/5 A or 2). 100-127/200-240 Vac, 50/60 Hz, 9/4.5 A or 3). 100-240 Vac, 50/60 Hz, 6 A See General Product Information for details.

TRF No.: I950__F

TRF originator: FIMKO

Particulars: test item vs. test requirements

Equipment mobility : movable
 Operating condition : continuous
 Mains supply tolerance (%)..... : +10%, -10%
 Tested for IT power systems : No
 IT testing, phase-phase voltage (V)..... : N/A
 Class of equipment : Class I (earthed).
 Mass of equipment (kg) : 17
 Protection against ingress of water..... : IP20

Possible test case verdicts:

- test case does not apply to the test object : N / A
 - test object does meet the requirement..... : Pass
 - test object does not meet the requirement..... : Fail

General remarks:

- "(see Enclosure #)" refers to additional information appended to the Report.
 - "(see appended table)" refers to a table appended to the Report.
 - Throughout this report a point is used as the decimal separator.

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.
 This report is not valid as a CB Test Report unless appended to a CB Test Certificate issued by a NCB in accordance with IEC 60335-2-29.

General product information:

- This Test Report shall be read in conjunction with the original report, number:
 1. 133526-01, issued November 14, 2002, with CB Certificates (DK- 5809, DK- 5810, DK- 5811), issued November 7, 2002.
- This report has been amended, due to:
 1. Add model no. ACP-4060XX-XXXXX
 2. Chang applicant address.
 3. Change factories address:
ADVANTECH CO., LTD.
5TH, FL. 1, LANE 169 KANG-NING STREET, XI-ZHI TOWN TAIPEI HSIEN, TAIWAN
ADVANTECH CO., LTD.
3RD FL, 10 LANE 130, MING CHUAN RD, HSIN-TIEN CITY, TAIPEI HSIEN 231, TAIWAN
 4. Add factories address:
SUPERIOR CO., LTD.
TIENSONG AREA, QINGXING TOWN, DONGGUAN, GUANGDONG, CHINA
ADVANTECH CO., LTD.
NO. 600, HAN-PU ROAD, YU-SHAN, KUN-SHAN, JIANG SU, CHINA
BEIJING YAN HUA XING YE ELECTRONIC SCIENCE & TECHNOLOGY CO., LTD
NO.7, 6TH STREET, SHANG DI ZONE, HAIDIAN DISTRICT, BEIJING, P.R.CHINA
- No tests were considered necessary.
- Model ACP-4060XX-XXXXX is identical to original model ACP-4001xx-yyzz except for model designation.

Factories:

- 1) **ADVANTECH CO., LTD.**
5TH, FL. 1, LANE 169 KANG-NING STREET, XI-ZHI TOWN TAIPEI HSIEN, TAIWAN
- 2) **ADVANTECH CO., LTD.**
3RD FL, 10 LANE 130, MING CHUAN RD, HSIN-TIEN CITY, TAIPEI HSIEN 231, TAIWAN
- 3) **SUPERIOR CO., LTD.**
TIENSONG AREA, QINGXING TOWN, DONGGUAN, GUANGDONG, CHINA
- 4) **ADVANTECH CO., LTD.**
NO. 600, HAN-PU ROAD, YU-SHAN, KUN-SHAN, JIANG SU, CHINA
- 5) **BEIJING YAN HUA XING YE ELECTRONIC SCIENCE & TECHNOLOGY CO., LTD**
NO.7, 6TH STREET, SHANG DI ZONE, HAIDIAN DISTRICT, BEIJING, P.R.CHINA

IEC 60950			
Clause	Requirement + Test		Verdict
1	GENERAL		Pass
1.7	Marking and instructions		Pass
1.7.1	Power rating	Rating marking readily visible to operator.	Pass
	Rated voltage(s) or voltage range(s) (V)	See General Product Information for details.	Pass
	Symbol for nature of supply for d.c.		N/A
	Rated frequency or frequency range (Hz)	See General Product Information for details.	Pass
	Rated current (A)	See General Product Information for details.	Pass
	Manufacturer's name/Trademark	Advantech Co., Ltd. / ADVANTECH	Pass
	Type/model	ACP-4001xx-yyzz, ACP-4060XX-XXXXX (xx = BP, P4, yy = 25, 30, 2Z, 3Z, 3R, zz = Z, R, C1, C3, C4, C5, M3, M4 or blank. Where the X may be any alphanumeric character or blank.)	Pass
	Symbol of Class II		N/A
	Other symbols	Additional symbols may be provided when submitted for National Approval.	Pass
	Certification marks	UL, C-UL.	Pass