



鼎安科技股份有限公司

SUPERIOR PRODUCT CONSULTING, INC.

3F, NO. 10, ALLEY 6, LANE 235, PAO CHIAO RD., HSIEN TIEN, TAIPEI, TAIWAN R.O.C.

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Appendix to Report reference No. SSI9710141

Page 1 of 1

(Name and address of the manufacturer)

Advantech Co., Ltd.

4F, No. 108-3, Ming-Chuan Road, Shing-Tien City

Taipei, Taiwan

Description

1. Addition models IPC-622xxx-xxxx. Where x can be 0-9, A-Z or blank. All models are identical except model designations.
2. Additional power supply for models IPC-622xxx-xxxx.

For details, refer to the test report reference no. SPCLVD0105007.



Allen Huang
Group Leader

Date of issue: May 10, 2001

TEST REPORT
IEC 60 950
Safety of information technology equipment

Report Reference No.: SPCLVD0105007

Compiled by (+ signature): Allen Huang

Group Leader

Approved by (+ signature): Frank Hsu

President

Date of issue: May 10, 2001

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: Superior Product Consulting, Inc.

Address.....: 3F, No. 10, Alley 6, Lane 235, Pao Chiao Rd., Hsien Tien, Taipei, Taiwan, R.O.C.

Testing location: 3F, No. 10, Alley 6, Lane 235, Pao Chiao Rd., Hsien Tien, Taipei, Taiwan, R.O.C.

Client name.....: Advantech Co., Ltd

Address.....: 4th Fl, No. 108-3, Ming-Chuan Rd, Shing-Tien Ciyt, Taipei Hsien, Taiwan

Standard.....: IEC 60 950:1991 + A1:1992 + A2:1993 + A3:1995 + A4:1996
EN 60 950:1992 + A1:1993 + A2:1993 + A3:1995 +A4:1997 + A11:1997

Test procedure: Informative Test Report

Procedure deviation: N/A

Non-standard test method.....: N/A

Test Report Form/blank test report

Test Report Form No.: I950___D/97-06

TRF originator.: FIMKO

Master TRF.....: reference No. I950 D, dated 97-02

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Test item description: Computer

Trademark: ADVANTECH

Model and/or type reference: IPC-622xxx-xxxx. Where x can be 0-9, A-Z or blank.

And refer to report no. SSI9710141

Manufacturer: Advantech Co., Ltd

Rating(s).....: 115 / 230 Vac, 50 / 60 Hz, 10 / 5 A

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 IECEE 02.

General product information:

1. Model difference: Models IPC-622xxx-xxxx. Where x can be 0-9, A-Z or blank. All models are identical except model designations.
2. Additional power supply for models IPC-622xxx-xxxx.

Documents:

ENCLOSURE No. 1: Test Record & Test Instruments List

IEC 60 950			
Clause	Requirement + Test	Result - Remark	Verdict

1	GENERAL		Pass
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1.7	Marking and instructions		Pass
1.7.1	Rated voltage (V)	115 / 230 Vac	Pass
	Symbol of nature of supply for d.c.		N/A
	Rated frequency (Hz)	50 / 60 Hz.	Pass
	Rated current (A)	10 / 5 A	Pass
	Manufacturer	Advantech Co., Ltd	Pass
	Trademark	ADVANTECH	Pass
	Type/model	IPC-622xxx-xxxx. Where x can be 0-9, A-Z or blank.	Pass
	Symbol of Class II	Class I equipment.	N/A
	Certification marks	UL, CUL	N/A

IEC 60 950			
Clause	Requirement + Test	Result - Remark	Verdict

1.5.1	TABLE: list of alternative components					Pass
object/part No.	manufacturer/ trademark	type/model	technical data	standard	mark(s) of conformity ¹⁾	
Power Supply (for models IPC- 622xxx-xxxx series.)	Power Research Technology Co., Ltd.	PRM401, PRR401 or PRR401H	Class I I/p: 100- 120/200-240 Vac or 100-240 Vac, 50/60 Hz, 8/5A or 8A max O/p: 3.3Vdc/30A, 5Vdc/50A, 12Vdc/27A, - 12Vdc/3A, - 5Vdc/1A, +5VSB/1A; +3.3Vdc and +5Vdc power 250W max.	UL 1950 EN 60950 IEC 60950	UL, TÜV	

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

IEC 60 950			
Clause	Requirement + Test	Result - Remark	Verdict

5.1	TABLE: temperature rise measurements					Pass
	test voltage (V)	:				—
	t1 (°C)	:				—
	t2 (°C)	:				—
temperature rise dT of part/at:			dT (K)		required dT (K)	
see enclosed test record						
temperature rise dT of winding:		R ₁ (Ω)	R ₂ (Ω)	dT (K)	required dT (K)	insulation class
see enclosed test record						

ENCLOSURE No. 1

Test Record & Test Instruments List

(Total 10 Pages including this Cover Page)

**The test record including following item:
Heating Test**

The test methods and results of the tests have been reviewed and found to be in accordance with the requirements in the Standards.

Test results are valid only for the tested equipment.

The unit was configured as follows:

**"Maximum normal load" was defined: HDD, FDD and CD-ROM were seeking and with dummy load on power supply- for Power Research Technology, model PRR401PFC: +5V/30A, +12V/10A
Maximum operating ambient 50° C.**

Unless otherwise indicated, all tests were conducted on Model IPC-622.

Tests performed on Model IPC-622 were considered to be representative of Models IPC-622xxx-xxxx series.