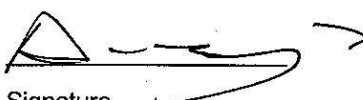
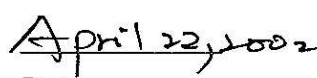

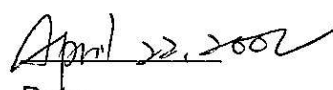





Test Report No.: LD88061702A	
Client Name : ADVANTECH CO., LTD Address : No. 1 Alley 20, Lane 26, Rueiguang Road, Neihu District Taipei 114, Taiwan, R.O.C.	
Test Item : Industrial Computer	
Identification : ACP-4000XXX-XXX (X can be any alphanumeric character or blank)	
Testing laboratory Name : Advance Data Technology Corporation Address : No. 46, Lane 504, Chung Hsiao Road, Lin Kou Hsiang, Taipei, R.O.C.	
Test specification Standard : EN 60 950:1992 + A1:1993 + A2:1993 + A3:1995 + A4:1996 + A11: 1997	
Test Result : The test item passed.	
Tested By : <div style="display: flex; justify-content: space-between;"><div style="text-align: center;"> Signature <u>Angus Hsu</u> Deputy Manager</div><div style="text-align: center;"> Date</div></div>	
Approved By: <div style="display: flex; justify-content: space-between;"><div style="text-align: center;"> Signature <u>Edward Chiueh</u> Manager</div><div style="text-align: center;"> Date</div></div>	
Other Aspects: The completed test report includes the following documents: ■ EN 60950 report (7 pages)	 0528 ILAC MRA
The test report shall not be reproduced except in full, without written approval of the laboratory. This test report does not entitle to carry any safety mark on this or similar products.	



TEST REPORT	
EN 60950	
Safety of information technology equipment including electrical business equipment	
Report	
Reference No.....	LD88061702A
Compiled by (+ signature)	See cover sheet
Approved by (+ signature)	See cover sheet
Date of issue	April 22, 2002
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.....	Advance Data Technology Corporation
Address	No. 46, Lane 504, Chung Hsiao Road, Lin Kou Hsiang, Taipei, Taiwan.
Testing location.....	Advance Data Technology Corporation
Address	No. 46, Lane 504, Chung Hsiao Road, Lin Kou Hsiang, Taipei, Taiwan.
Client	
Name.....	ADVANTECH CO., LTD
Address	No. 1 Alley 20, Lane 26, Rueiguang Road, Neihu District Taipei 114, Taiwan, R.O.C.
Test specification	
Standard.....	EN 60 950:1992 + A1:1993 + A2:1993 + A3:1995 + A4:1996 +A11:1997
Test procedure	This Test Report is not valid as a CCA Test Report unless signed by a CCA Testing Laboratory and appended to a CCA Test Certificate.
Procedure deviation	N/A.
Non-standard test method.....	N/A.
Test Report Form/blank test report	
Test Report Form No.....	60950__D/97-08
TRF originator	FIMKO
Master TRF	Reference No. 60950 D, dated 97-02
Copyright reserved to the bodies participating in the Committee of Certification Bodies (CCB) and/or the bodies participating in the CENELEC Certification Agreement (CCA).	
Test item	
Description	INDUSTRIAL COMPUTER
Trademark	ADVANTECH
Model and/or type reference.....	ACP-4000XXX-XXX (X can be any alphanumeric character or blank)
Manufacturer	ADVANTECH CO., LTD.
Rating(s).....	AC 100 - 240 V, 60-50Hz, 6.0/3.0 A.

Copy of marking plate

Industrial Computer

ADVANTECH CO., LTD.

Model: ACP-4000XXX-XXX

Manufactured: April, 2002

POWER: 100-240 V~, 60-50Hz, 6-3A

THIS DEVICE COMPLIES WITH PART 15 OF FCC RULES. OPERATION
IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

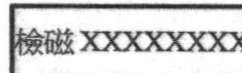
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE. AND

(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED.

INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION



Manufactured: No. 1, Alley 20, Lane 26, Rueiguang
Road, Neihs District Taipei 114, Taiwan R.O.C.



**Particulars: test item vs. test requirements**

Equipment mobility.....: Moveable or rack mountable
Operating condition.....: Continuous
Tested for IT power systems.....: N/A
IT testing, phase-phase voltage (V): N/A
Class of equipment.....: Class I
Mass of equipment (kg).....: 18.8kg
Protection against ingress of water: IPX0

Test case verdicts

Test case does not apply to the test object.....: N(.A.)
Test item does meet the requirement.....: P(ass)
Test item does not meet the requirement.....: F(ail)

Testing

Date of receipt of test item: April 8, 2002
Date(s) of performance of test: April 18, 2002

General remarks

This test report shall not be reproduced except in full without the written approval of the testing laboratory.
The test results presented in this report relate only to the item tested.
"(see remark #)" refers to a remark appended to the report.
"(see appended table)" refers to a table appended to the report.
Throughout this report a comma is used as the decimal separator.

Brief description of the test equipment:

Model Difference: All Models are identical except for Model designation.

Test condition:

Temperature : 25°C .
Relative humidity: 60%
Air pressure: 900 mbar.

The test sample was a pre-production sample without serial number.

This is a supplementary report of LD88061702 except for alternating a certified power supply and Model designation.



EN 60950			
Clause	Requirement + Test	Result - Remark	Verdict

1.5.1	TABLE: list of critical components					P
object/part No.	manufacturer/ trademark	type/model	technical data	Standard	mark(s) of conformity ¹⁾	
1. Power supply	Zippy	MRT-6300P-R	Input: 100-240 V ac, 60-50 Hz, 6/3A. Output: +12 V dc/16 A -12 V dc/0.8 A +5 V dc/25 A +5 Vsb/2A +3.3 V/18A -5 V/0.5A	IEC60950	UL, TUV	



EN 60950			
Clause	Requirement + Test	Result - Remark	Verdict

1.6	TABLE: electrical data (in normal conditions)					P
fuse #	Irated (A)	U (V)	P (W)	I (A)	Ifuse (A)	condition/status
In SPS	---	90/50Hz	122.4	1.350	1.350	Maximum Normal Load
	6.0	100/50Hz	121.0	1.217	1.217	Maximum Normal Load
	3.0	240/50Hz	115.4	0.529	0.529	Maximum Normal Load
	---	254/50Hz	113.7	0.505	0.505	Maximum Normal Load
	---	90/60Hz	122.0	1.354	1.354	Maximum Normal Load
	6.0	100/60Hz	122.0	1.221	1.221	Maximum Normal Load
	3.0	240/60Hz	115.2	0.546	0.546	Maximum Normal Load
	---	254/60Hz	114.1	0.525	0.525	Maximum Normal Load

5.1	TABLE: temperature rise measurements		P
	test voltage (V)	90/254/240 All fan locked/ventilation opening blocked.	—
	t1 (°C)	---	—
	t2 (°C)	---	—
Temperature rise dT of part/at:		dT (K)	Required dT (K)
Room Ambient		25°C/25°C/26°C/26°C	--
Power supply C1 body		7/7/48/16	55
Power supply T1 coil		9/9/63/19	45
Power supply T1 core		11/11/64/20	45
Power supply L1 coil		34/19/68/27	55
PWB near CPU		11/11/26/22	55
C142 body		7/7/23/19	---
U16 body		16/17/32/29	---
U20 body		16/17/37/27	---
BT1 body		7/7/16/17	---
Enclosure inside near power		3/3/15/16	---
Enclosure outside near power		3/3/12/16	20



EN 60950			
Clause	Requirement + Test	Result - Remark	Verdict

5.3	TABLE: electric strength measurements		P
test voltage applied between:		test voltage (V)	breakdown
Primary and secondary		DC 3000V	No
Primary and ground		DC 3000V	No

5.4	TABLE: fault condition tests						
	ambient temperature (°C)					25 °C, if no else specified	--
	model/type of power supply					MRT-6300P-R	--
	manufacturer of power supply					Zippy	--
	rated markings of power supply					See table 1.5.1	--
No.	component No.	fault	test voltage (V)	test time	fuse No.	fuse current (A)	result
01	Ventilation openings	Blocked	240	2.5 hrs	--	--	Temperature of T1 core/coil = 40/41°C no hazard.
02	All fan	Stalled	240	2.0 hrs	--	--	Temperature of T1 core/coil = 52/53°C, no hazard.