

# Certificate



Certificate no.

TA 50047966 01

**License Holder:**

Advantech Co., Ltd.  
4F, No. 108-3, Ming Chuan Rd.  
Hsin Tien City, Taipei Hsien 231  
Taiwan

**Manufacturing Plant:**

Advantech Co., Ltd.  
Fl.5, No.1, Lane 169, Kang-Ning St.  
Xi-Zhi, Taipei Hsien 221  
Taiwan

Test report no.: ZTW1-BHU 10010609 001

Client Reference: FH/SPC-40652

**Tested to:**

EN 60601-1:1990+A1+A2+A13  
IEC 60601-1:1988+A1+A2

**Certified Product:** (Panel PC)

**License Fee - Units**

Type Designation: POC-174xx-DC-xx (ADVANTECH)

10

x stands for : any alphanumeric character or blank

1

Rated Voltage : DC +24V

Rated Current : 7.5A max.

Protection Class: II

max. Ambient Temperature: +40°C

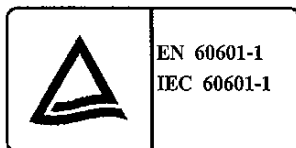
Remark: Primary- and secondary circuits are separated  
according to method 4 of clause 17.g.



11

Appendix: 1

**Licensed Test mark:**



**TÜV Rheinland Taiwan Ltd.**

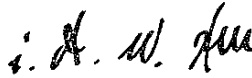
**Signatures**

**Date of Issue**

**(day/mo/yr)**

18/08/2004

  
Dipl.-Ing. R. Scheller

  
Dipl.-Ing. A. Klinker

TÜV Rheinland Taiwan Ltd. - Tel (02) 2516-6040 - Fax (02) 2504-5040

# Certificate



Group Asia

Certificate no.

TA 50047966 02

**License Holder:**

Advantech Co., Ltd.  
4F, No. 108-3, Ming Chuan Rd.  
Hsin Tien City, Taipei Hsien 231  
Taiwan

**Manufacturing Plant:**

Advantech Co., Ltd.  
Fl.5, No.1, Lane 169, Kang-Ning St.  
Xi-Zhi, Taipei Hsien 221  
Taiwan

Test report no.: ZTW1-BHU 10010609 001

Client Reference: FH/SPC-40652

**Tested to:**

EN 60601-1:1990+A1+A2+A13  
IEC 60601-1:1988+A1+A2

**Certified Product:** (Panel PC)

**License Fee - Units**

as page 01

Addition

Type Designation: POC-174xxxxx (ADVANTECH)

1

x stands for : any alphanumeric character or blank

1



Appendix: 1

2

**Licensed Test mark:**

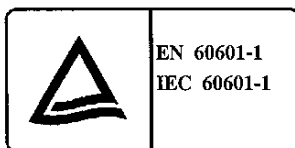
**TÜV Rheinland Taiwan Ltd.**

**Signatures**

**Date of Issue**


(day/mo/yr)

18/08/2004

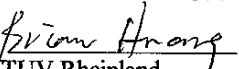
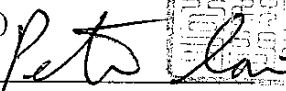



*A. Scheller*  
Dipl.-Ing. R. Scheller

*A. Klinker*  
Dipl.-Ing. A. Klinker

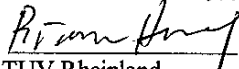


<b>TUV Rheinland</b> <b>D-51105 Cologne</b> <b>Am Grauen Stein</b> <b>Konstantin Wille Str. 1</b>	Gen. -Ausw. -Nr. Anlage-Nr.	Aktenzeichen (to be filled in by TUV Rheinland) Please submit 2 copies of this form!	
	TA 50047966	10010609 001	
<b>Constructional Data Form for Electromedical Devices according to EN 60601-1</b>			Page 1 of 4


1.1 Applicant	: Advantech Co., Ltd.		
(full address)	4F., No. 108-3, Ming Chuan Rd, Hsin Tien City, Taipei Hsien 231, Taiwan.		
1.2 Production Facility(1)	: Advantech Co., Ltd.		
(full address)	5th FL No 1, Lane 169 Kang-Ning Street, Xi-Zhi City, Taipei Hsien Taiwan.		
2.1 Kind of Device	: Panel PC		
2.2 Type Designation	: POC-174xx-DC-xx and POC-174xxxxx (Where the x can be any alphanumeric character or blank)		
2.3 Rated Voltage	: (1) 24 Vdc	2.4 Current Type:	(1) DC
2.5 Rated Frequency	: --	2.6 Rated Current:	(1) 7.5 A max.
2.7 RF-Frequency	: --	2.8 Power Output:	--
2.9 Operation Mode	: Cont.	short-time	intermit
2.10 Style (table-top, standing, built-in, o.s.)	: Stationary equipment		
2.11 Classification	: a) class: Class II equipment	b) type: --	c) internally powered: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2.12 Moisture protection	: Ordinary	drip proof	splash proof Water tight
2.13 Mains connection	: <del>fixed power cord</del>	<del>permanent connection</del>	supply by class I power supply with terminal block
2.14 AP/APG category	: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	PTB No.:	
2.15 Materials	: a) Enclosure: min. 80°C, V-1 or batter b) PCB: V-1 or better, min. 105°C		
2.16 External connectors:	: Yes		
2.17 Schematic no. and date of issue	: --		
2.18 Separation between Primary and Secondary	: Double or Reinforced Insulation		
2.19 Ambient	: 0-40°C		

Cologne, date <b>AUG 18 2004</b>  TUV Rheinland Product Safety GmbH Medizintechnik	<u>August 13, 2004</u> (Date)	<u>Taipei, Taiwan</u> (City)  (Stamp and signature of applicant)
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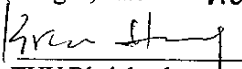

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<b>Constructional Data Form for Electromedical Devices according to EN 60601-1</b>			Page 2 of 4

object/part No.	Manufacturer/ trademark	type/model	technical data	standard	mark(s) of conformity
PCB	--	--	V-1 or better, 105°C min.	UL94	UL
Enclosure material	GE Plastics	C2800	V-1 or better, 80°C min.	UL 94	UL
LCD Panel	AU Optonics Couporation	M170EN07	TFT type, SVGA 17 inch	--	--
HDD Drive (Optional)	Fujitsu	MHT2020AT	5Vdc, 0.55A max.	EN 60950	TÜV, UL
FDD Drive (Optional)	NEC	FD3238T	5Vdc, 1.5A max.	EN 60950	TÜV, UL
CD / DVD-ROM / CD-RW Drive (Optional)	Quanta Storage Inc.	SCR-242	5Vdc, 1.5A	EN 60950	TÜV, UL
	Toshiba Corp	XM-7004Bxx, XM-1902Bxx	5Vdc, 1.5A	EN 60950	TÜV, UL
	Quanta Storage Inc	SDR-XXXX	5Vdc, 1.8A max.	EN 60950	TÜV, UL
	Matsushita	SR-8175-C, SR-8176-C	5Vdc, 1.8A max.	EN 60950	TÜV, UL
Lithium Battery	Rayovac	BR2032	3 V, max. Abnormal Charging Current 4 mA	UL 1642	UL
System Fan	ADDA	AD0612MB- G76	12V, 0.13A, 12.0 CFM	EN 60950	TUV, UL
	ADDA	AD0612LB- G76	12V, 0.11A, 11.7 CFM	EN 60950	TUV, UL
Inverter	Lecerf Technology Co., Ltd	LV-1701LC-A	I/P: 12V, 1.8A, Output: 680Vrms, 13mA.	--	--
- Transformer (T1, T2)	Lecerf Technology Co., Ltd	X08-C-1	Class 105°C	--	--
Polyswitch (L6)(for VGA connector)	Polytronics	SMD0805P020 T(+)	9Vdc, 0.2A, (Ih), 0.5A (It)	IEC 60730-1	UL, TUV
Polyswitch (FS5) (for PS2 connector)	Tyco Corp. (Raychem)	miniSMDC110	8 Vdc, 1.1 A	IEC 60730-1	UL, TUV
External Power Supply	Condor DC Power Supplies., Inc.	GPFM250-24	Input: 100-240Vac, 6A, 50/60Hz. DC Output: max 24V/max 7.5A, max 180W convection cooled, 250W with cover fan option or min 150 LFM airflow.	--	CB, UL, CSA, TUV

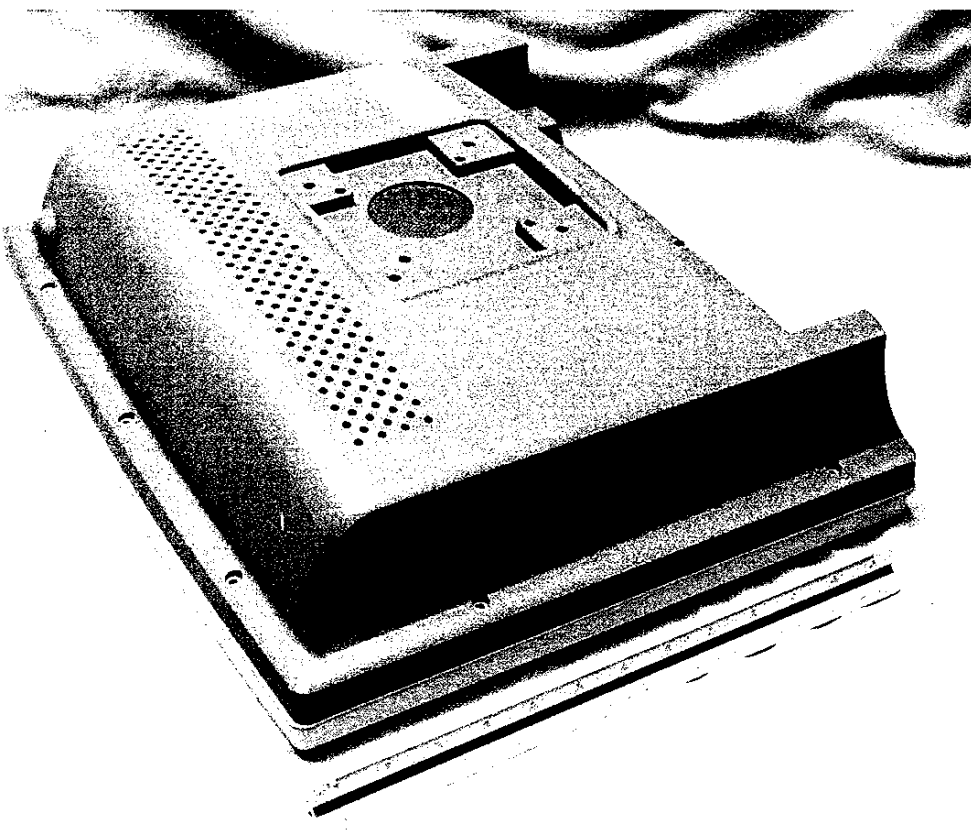
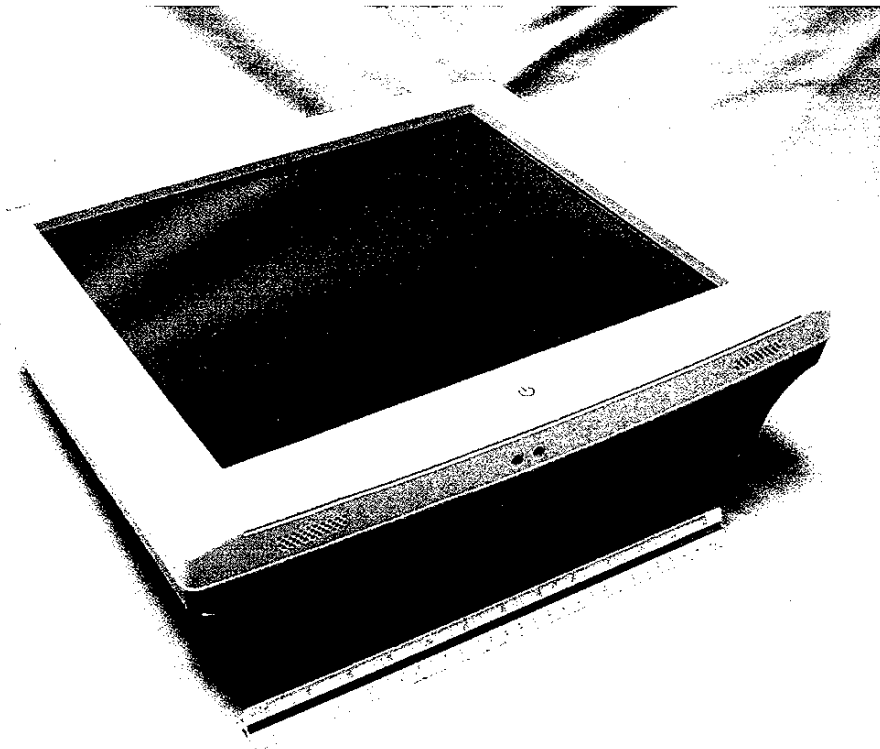
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<b>TUV Rheinland</b> D-51105 Cologne Am Grauen Stein Konstantin Wille Str. 1	Gen. -Ausw. -Nr. Anlage-Nr.	Aktenzeichen (to be filled in by TUV Rheinland) Please submit 2 copies of this form!	
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<b>Constructional Data Form for Electromedical Devices according to EN 60601-1</b>			Page 3 of 4

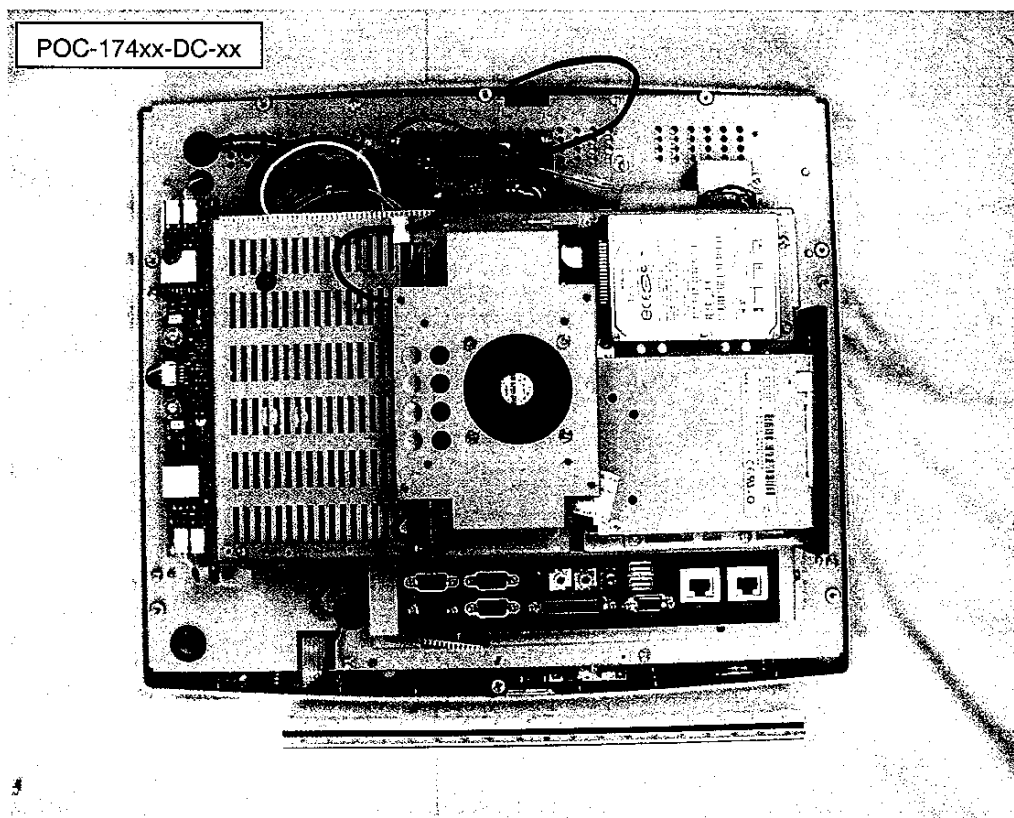
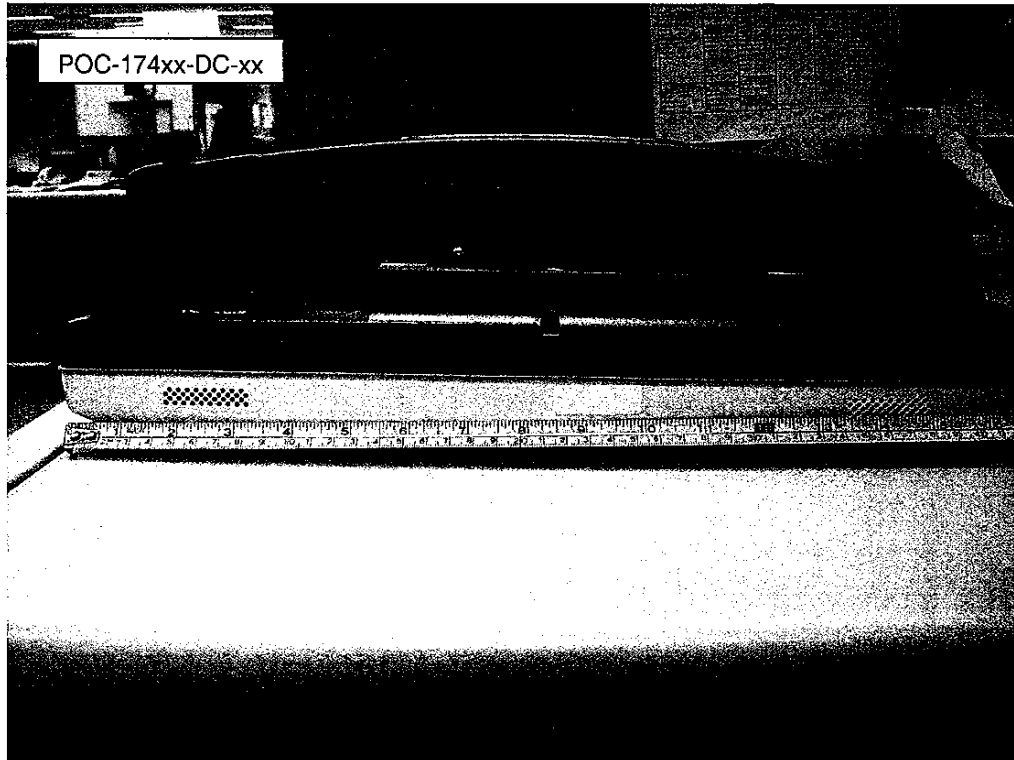
object/part No.	Manufacturer/ trademark	type/model	technical data	standard	mark(s) of conformity
Internal Power Supply	MAGIC POWER TECHNOLOGY CO LTD	MPD-810H	Input: 24 Vdc, 7.5A max. Output: +5V/10A, +12V/4A, -12V/1A, +3.3V/8A, +5Vsb/0.75A, +5V & +3.3V total 70W, total output 120W.	UL 60950	UL
PCB	--	--	Min. V-0, min. 105°C	UL 94	UL
Terminal block	Dinkle Enterprise Co., Ltd	DT-35-B01W-03	300V, 20A	UL	UL 1059
Fuse (F1)	Wickmann	FK2	20A, 32V	UL275	UL
Choke (L1) (Optional)	Milli-Henry Enterprise Co.	914809005501 A	Min. 105°C	--	--
	Ain Hsin	914809005501 C	Min. 105°C	--	--
	Rong Chyuan	914809005501 H	Min. 105°C	--	--
	Hong Chan	914809005501 J	Min. 105°C	--	--
Choke (L2) (Optional)	Milli-Henry Enterprise Co.	914810015501 A	Min. 105°C	--	--
	Ain Hsin	914810015501 C	Min. 105°C	--	--
	Rong Chyuan	914810015501 H	Min. 105°C	--	--
	Jewel	914810015501 I	Min. 105°C	--	--
	Hong Chan	914810015501 J	Min. 105°C	--	--
Choke (L3) (Optional)	Dongguan CINCON ELECTRONICS CO., LTD.	9101403600	Min. 105°C	--	--
Choke (CT1) (Optional)	Milli-Henry Enterprise Co.	914811021101 A	Min. 105°C	--	--
	Ain Hsin	914811021101 C	Min. 105°C	--	--
	Rong Chyuan	914811021101 H	Min. 105°C	--	--
	Hong Chan	914811021101 J	Min. 105°C	--	--
Ripple capacitor (C11, C11A)	--	--	2200µF, 35V, 105°C	--	--

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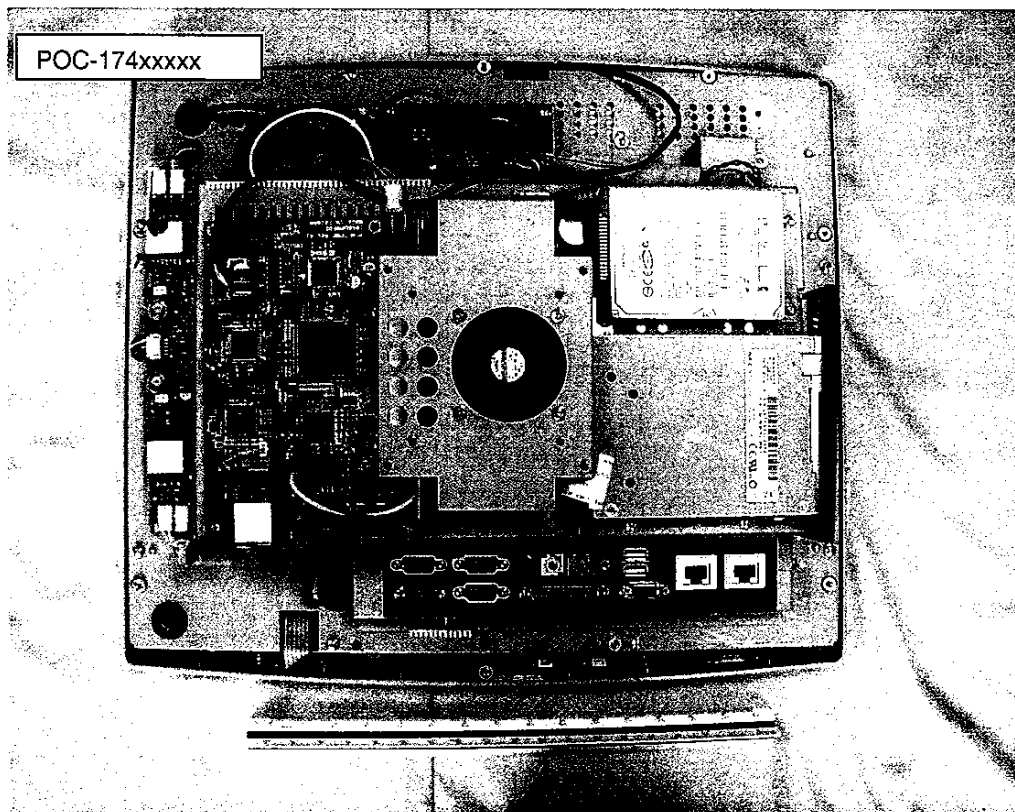
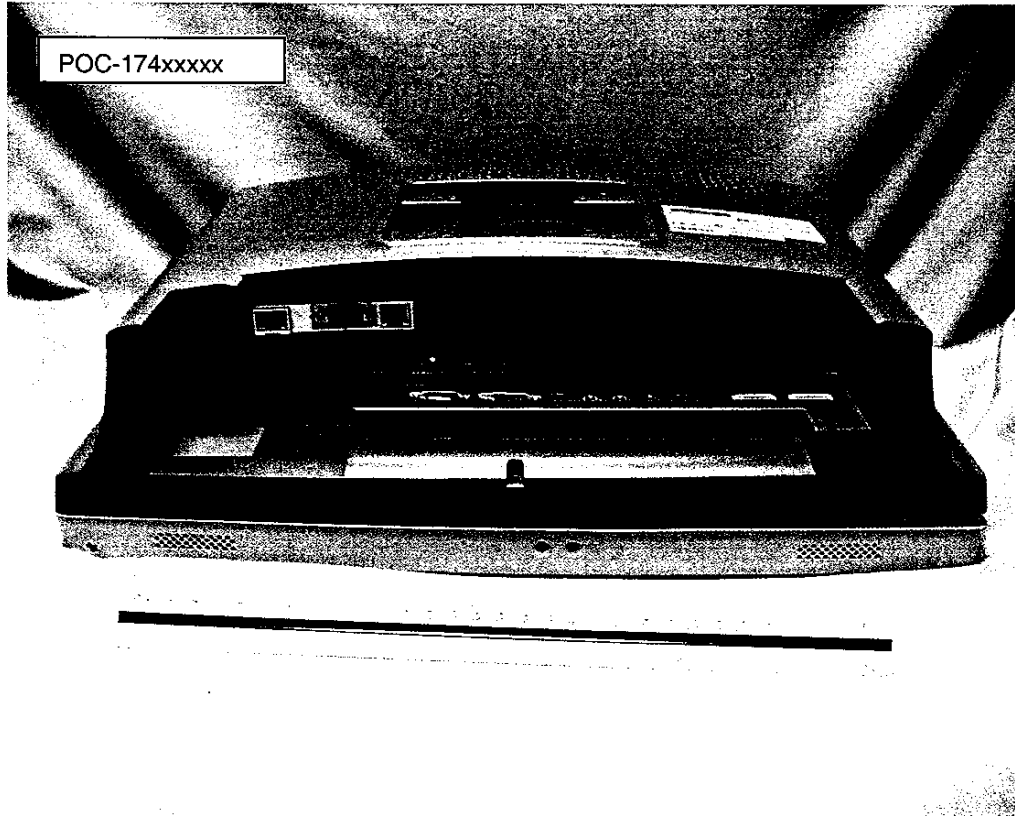
Type Designation: POC-174xx-DC-xx; POC-174xxxxx  
(x = any alphanumeric character or blank)  
Report Number: 10010609 001



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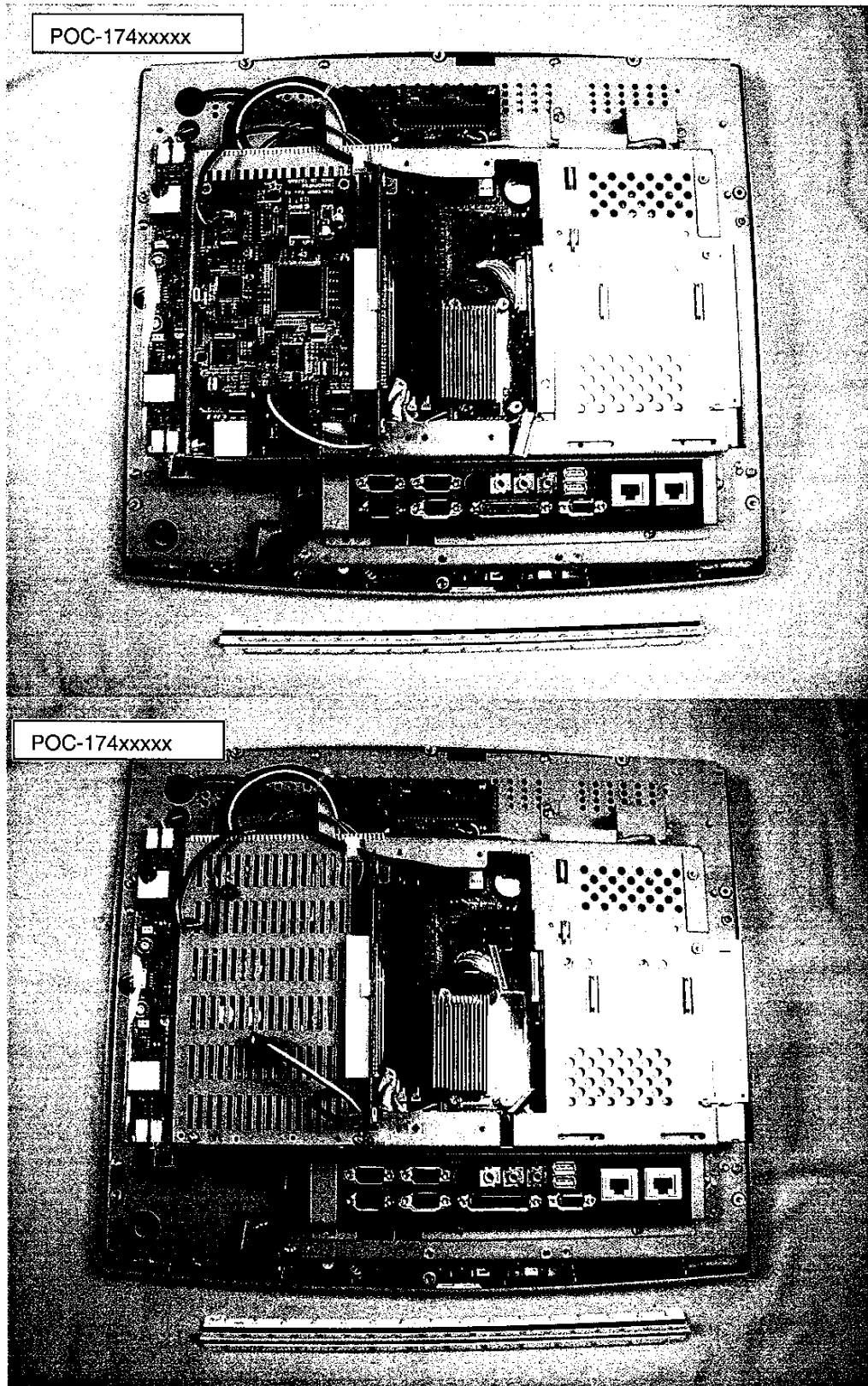


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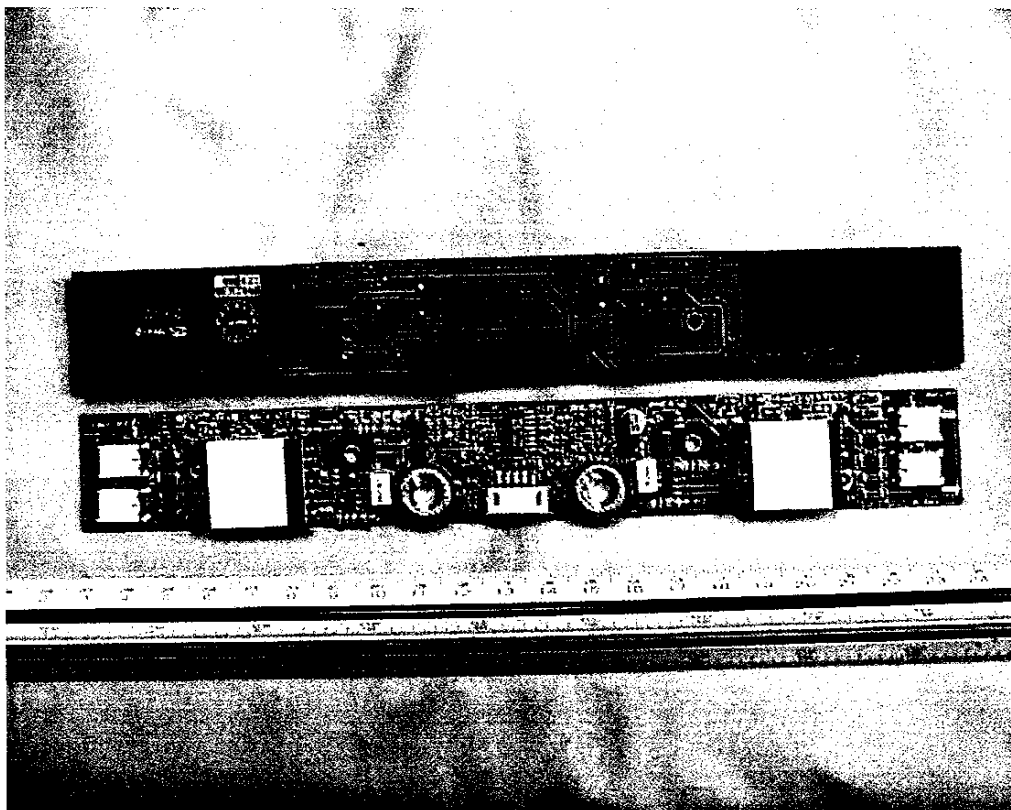
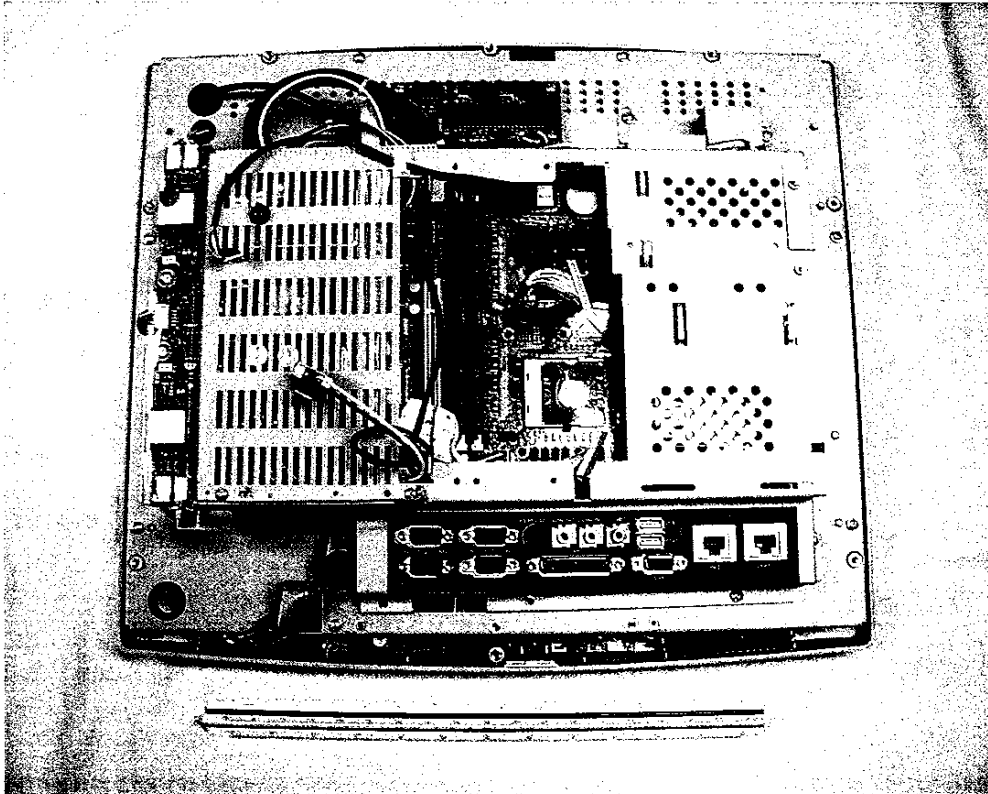




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