



## *Low Voltage Directive Report*

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**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.**

**台北縣新店市寶僑路235巷6弄10號3F  
TEL: 886-2-29174137 FAX: 886-2-29184517**

*The test results of this report relate only to the tested sample identified in this report.*  
此份報告之測試結果只適用於報告中所述之那台測試樣機

*This report shall not be reproduced, except in full, or with the written approval of  
Superior Product Consulting, Inc.*

此份報告未經鼎安科技股份有限公司書面同意不得部分複製

TÜV Rheinland Taiwan Ltd.



# Certificate

of

# Appointment

for

**Superior Product Consulting, Inc.**  
3F, No. 10, Alley 6, Lane 235, Pao Chiao Road,  
Hsien Tien, Taipei, Taiwan, R.O.C.


has been authorized to carry out Safety tests by order and under supervision of  
TÜV Rheinland. It has successfully demonstrated capability to conduct  
measurements and to process test data according to:

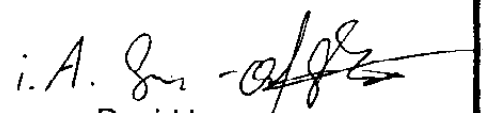
**European and International Safety Standards as listed in the  
Scope of Authorization on the attachment to this certificate**

An assessment of the facility was conducted according to ISO 17025 by a TÜV  
Rheinland auditor

The certificate is valid until the next scheduled inspection or up to 15 month,  
at the discretion of TÜV Rheinland

TÜV Rheinland Taiwan Ltd.  
Taipei, 6 November 2001

  
Dipl.-Ing. A. Klinker

  
David Lee



Attachment to

# Certificate

of Appointment

SCOPE OF AUTHORIZATION

for

Superior Product Consulting, Inc.  
3F, No. 10, Alley 6, Lane 235, Pao Chiao Road,  
Hsien Tien, Taipei, Taiwan, R.O.C.

## European Standards

EN 60 950: 1992+A1+A2+A3+A4+A11	EN 60 065:1998 EN 60 065:1993+A11
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## International Standards

IEC 60 950: 1991+A1+A2+A3+A4	IEC 60 065:1998 IEC 60 065:1985 +A1+A2+A3
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Taipei, 6 November 2001

*i. A. In - affe*  
David C. M. Lee, Auditor



# QUALIFIED INDEPENDENT LABORATORY

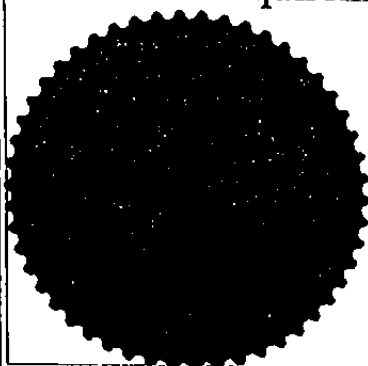
This is to confirm that:

Superior Product Consulting Inc.  
(Taipei, TAIWAN)

has in the course of current cooperation projects with Nemko  
shown to be qualified in safety testing of electrical equipment to  
the following standards:

IEC 60950 / EN 60950

This statement is also supported by our assessment of the  
laboratory testing equipment, -facilities and -procedures relative  
to the requirements of EN 45001 and ISO/IEC Guide 25.



*Jon Ivar Tidemann*

Jon Ivar Tidemann  
Head of dept. Data and Electronics

**NEMKO**  
IT and Electronics Division

# DECLARATION OF CONFORMITY

According to the Low Voltage Directive 73/23/EEC and the  
Amendment Directive 93/68/EEC

Type of Product.....: **Server**

Model Designation .....: **SG-3103-XXXX and SG-3003-XXXX.**  
**Where the X can be any alphanumeric**  
**character or blank.**

Manufacturer's Name.....: **Advantech Co., Ltd.**

Manufacturer's Address ....: **4th Fl, No. 108-3, Ming-Chung Rd,**  
**Shing-Tien City, Taipei Hsien, Taiwan**

Is herewith confirmed to comply with the requirements set out in  
the Council Directive 73/23/EEC for electrical equipment used  
within certain voltage limits and the Amendment Directive  
93/68/EEC. For the evaluation of the compliance with these  
Directive, the following standard was applied:

IEC 60950, 3<sup>rd</sup> Edition (1999)

EN 60950, 3<sup>rd</sup> Edition (2000)

*Person responsible for making this declaration*

Name, Surname.....:


Position/Title .....



\_\_\_\_\_  
(Place)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Company stamp and signature)

<b>TEST REPORT</b> <b>IEC 60950</b> <b>Safety of information technology equipment</b>	
<b>Report</b> Reference No.....:	SPCLVD30647
Compiled by (+ signature).....:	Peter Lai Supervisor
Reviewed by (+ signature) .....	Allen Huang Manager
Date of issue.....:	June 20, 2003
This report is based on a blank test report that was prepared by FIMKO using information obtained from the TRF originator (see below).	
<b>Testing laboratory</b> 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.....:	Superior Product Consulting, INC.
Address.....:	3F, No. 10, Alley 6, Lane 235, Pao Chiao Rd., Hsien Tien, Taipei, Taiwan, R.O.C.
<b>Client</b> name.....:	Advantech Co., Ltd.
Address.....:	4th Fl, No. 108-3, Ming-Chuan Rd, Shing-Tien City, Taipei Hsien, Taiwan.
Standard .....	IEC 60950, 3 <sup>rd</sup> Edition (1999) EN 60950, 3 <sup>rd</sup> Edition (2000)
Test procedure .....	Informative Test Report
Procedure deviation .....	N/A
Non-standard test method .....	N/A
<b>Test Report Form/blank test report</b>	
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).	
<b>Test item</b> description.....:	Server
Trademark .....	
Model and/or type reference.....:	SG-3103-XXXX and SG-3003-XXXX, Where the X can be any alphanumeric character or blank.
Manufacturer.....:	Same as Applicant.
Rating(s) .....	100-127/200-240 Vac, 50/60 Hz, 5/2.5 A

Copy of marking plate and summary of test results (information/comments):



The construction of Server model SG-3103 was modified as followings:

1. Add additional model SG-3003. The new model is identical to model SG-3103, except different for mother board location and chassis external view.

**For above described modification(s) the following testing was considered to be necessary:**

Modification	Testing	Comments	Result
1.	Electric strength test		P

**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 60950-1.

**General product information:**

History of amendments and modifications:

Ref. No. SPCLVD20835, dated September 30, 2002 (original LVD report)



5.2	<b>Electric strength</b>		Pass
5.2.1	General	Based on the electric strength test the use of the insulating materials within the equipment is satisfactory.  (See appended table 5.2)	Pass
5.2.2	Test procedure	No insulation breakdown detected during the test.  (see appended table 5.2)	Pass

5.2	<b>TABLE: electric strength tests and impulse tests</b>		Pass
test voltage applied between:		test voltage (V)	breakdown Yes / No
Primary to Secondary		4242	No
Primary to Earth		2414	No
supplementary information:			

## **ENCLOSURE No. 1**

### **Photographs**

**(Total 4 Pages including this Cover Page)**

## Model SG-3003



## **Model SG-3003**



## Model SG-3003

