



Test Report issued under the responsibility of:

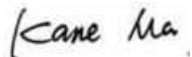
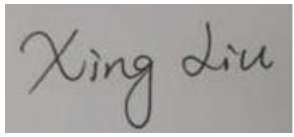


TEST REPORT

IEC 60950-1

Information technology equipment – Safety – Part 1: General requirements

Report Number	E307995-A6127-CB-1
Date of issue	2021-10-20 ; Amendment 2 : 2022-09-27
Total number of pages	10
Name of Testing Laboratory preparing the Report	UL-CCIC Company Limited No. 2, Chengwan Road, Suzhou Industrial Park, Suzhou 215122, China
Applicant's name	LENOVO (BEIJING) LTD
Address	201-H2-6, FLOOR 2, BUILDING 2 NO.6 SHANGDI WEST ROAD, HAIDIAN DISTRICT BEIJING 100085 CHINA
Test specification:	
Standard	IEC 60950-1:2005, AMD1:2009, AMD2:2013
Test procedure	CB Scheme
Non-standard test method	N/A
Test Report Form No.	IEC60950_1G
Test Report Form(s) Originator	SGS Fimko Ltd
Master TRF	Dated 2019-07-02
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General disclaimer: 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 CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.	

Test item description	Personal Computer	
Trade Mark	Lenovo	
Manufacturer	LENOVO (BEIJING) LTD 201-H2-6, FLOOR 2, BUILDING 2 NO.6 SHANGDI WEST ROAD, HAIDIAN DISTRICT BEIJING 100085 CHINA	
Model/Type reference	11SW*****, 11SX*****, 11SY*****, 11T0*****, ThinkCentre neo 50s Gen 3, ThinkCentre neo 50s Gen 4, 12JE*****, 12JF*****, 12JG*****, 12JH***** (Where * may be 0-9, a-z, A-Z, any alphanumeric character, hyphen or blank)	
Ratings	Input: 100-240Vac, 3.6A, 50/60Hz	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/> CB Testing Laboratory:		
Testing location/ address	UL-CCIC Company Limited, No. 2, Chengwan Road, Suzhou Industrial Park, Suzhou 215122, China	
Tested by (name, function, signature)	Kane Ma / Project Handler	
Approved by (name, function, signature) ...	Xing Liu / Reviewer	
Testing procedure: CTF Stage 1:		
Testing location/ address		
Tested by (name, function, signature)		
Approved by (name, function, signature) ...		
Testing procedure: CTF Stage 2:		
Testing location/ address		
Tested by (name + signature)		
Witnessed by (name, function, signature) .:		
Approved by (name, function, signature) ...		
Testing procedure: CTF Stage 3:		
Testing procedure: CTF Stage 4:		
Testing location/ address		
Tested by (name, function, signature)		
Witnessed by (name, function, signature) .:		

Approved by (name, function, signature)... :		
Supervised by (name, function, signature) :		

List of Attachments (including a total number of pages in each attachment): National Differences (0 pages) Enclosures (3 pages)	
Summary of testing:	
Tests performed (name of test and test clause): None	Testing Location: None
Summary of compliance with National Differences: List of countries addressed: Australia / New Zealand, EU Group and National Differences, Japan, USA, Canada <input checked="" type="checkbox"/> The product fulfils the requirements of: N/A	

Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.



Note: The above markings are the minimum requirements required by the safety lab. For the final production samples, the additional markings which do not give rise to misunderstanding may be added.

Test item particulars :	
Equipment mobility	movable
Connection to the mains	pluggable equipment pluggable A
Operating condition	continuous
Access location	operator accessible
Over voltage category (OVC)	OVC II
Mains supply tolerance (%) or absolute mains supply values	+10%, -10%
Tested for IT power systems	No
IT testing, phase-phase voltage (V)	N/A
Class of equipment	Class I (earthed)
Considered current rating of protective device as part of the building installation (A)	20 A
Pollution degree (PD)	PD 2
IP protection class	IP X0
Altitude of operation (m)	Up to 5000m
Altitude of test laboratory (m)	Up to 2000m
Mass of equipment (kg)	3.81

Possible test case verdicts:

- test case does not apply to the test object: N/A
- test object does meet the requirement: P (Pass)
- test object does not meet the requirement: F (Fail)

Testing

Date of receipt of test item.....: N/A

Date (s) of performance of tests: N/A

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 ☐ comma / ☒ point is used as the decimal separator.

Manufacturer's Declaration per sub-clause 4.2.5 of IEC 60950-1:

The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided..... :

- ☒ **Yes**
- ☐ **Not applicable**

When differences exist; they shall be identified in the General product information section.

Name and address of factory (ies) :	<p>LENOVO CENTRO TECNOLOGICO SDE RL DE CV APODACA TECHNOLOGY PARK BOULEVARD ESCOBEDO #316 APODACA, NUEVO LEON, MEXICO C.P. 66600.</p> <p>LENOVO (INDIA) PRIVATE LIMITED 19/1A & 19/2A, CUDDALORE MAIN ROAD, EDAYARPALAYAMVILLAGE, THAVALAKUPPAM PUDUCHERRY 605007 INDIA</p> <p>LENOVO TECNOLOGIA (BRASIL) LTDA Estrada Municipal Jose Costa de Mesquita, 200, Modulos 5 a 10, Chacara Alvorada, INDAIATUBA SP 13337-200, BRAZIL</p> <p>HONGFUJIN PRECISION INDUSTRY (WUHAN) CO LTD FOXCONN TECHNOLOGY GROUP, 1 ST RD 2 OF GUANG GU ADVANCED, NEW TECHNOLOGY DEVELOPING ZONE, WUHAN HUBEI 430205, CHINA</p> <p>LENOVO US FULFILLMENT CENTER LLC 6540 FRANZ WARNER PARKWAY WHITSETT, NC 27377, USA</p> <p>LENOVO INFORMATION PRODUCTS (SHENZHEN) CO LTD FUTIAN FREE TRADE ZONE, 30 TAO HUA RD, SHENZHEN GUANGDONG 518038, CHINA</p> <p>FLEXTRONICS INTERNATIONAL KFT. SARVAR, IKERVARI UT 25. H - 9600 HUNGARY</p> <p>NEC PERSONAL COMPUTERS, LTD. 6-80, SHIMOHANAZAWA 2-CHOME, YONEZAWASHI, YAMAGATA 992-8520 JAPAN</p> <p>LENOVO MANUFACTURING HUNGARY KFT. K-SPED KRT 28 ULLO, 2225 HUNGARY</p> <p>LENOVO INFORMATION PRODUCTS (SHENZHEN) CO LTD 2F, NO.1 Plant , Lenovo Innovation Park, Lidu Road, Loucun Community, Xinhua Street, Guangming District , Shenzhen, Guangdong, China</p>
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General product information:**Report Summary**

The original report was modified on 2022-09-27 to include the following changes/additions:

--This test Report should be read in conjunction with the original Report, No.:

1. E307995-A6127-CB-1, issued 2021-10-20, with CB Certificate No. (DK-119755-UL), issued 2021-10-20.

E307995-A6127-CB-1-Amendment-1, issued 2022-03-21, with CB Certificate No. (DK-119755-M1-UL), issued 2022-03-21.

--This Report were deemed to amendment(Administrative), due to:

1. Add models ThinkCentre neo 50s Gen 4, 12JE*****, 12JF*****, 12JG*****, 12JH***** (Where * may be 0-9, a-z, A-Z, any alphanumeric character, hyphen or blank) for marketing purpose only

2. Add one factory: LENOVO INFORMATION PRODUCTS (SHENZHEN) CO LTD

--Based on previously conducted testing and the review of product construction, no test was deemed necessary.

Product Description

Personal Computer consist of certified power supply, RTC battery, DC fan, HDD, CD/DVD ROM, CPU, main board and housed in metal enclosure.

Model Differences

All models are identical to each other except for model designation.

Additional application considerations – (Considerations used to test a component or sub-assembly) –

Max Normal Load:

Operated continuously by running test programs which were described as below:

(1) Burn in: Disk/ODD/Video/Network/RAM adjusted to 100%.

(2) PTU (CPU) adjusted to 100%.

(3) Each USB3.0 load 0.9A, Each USB2.0 load 0.5A, Each USB Type C load 3A

For power supply PCH018

The current consumption with CPU fully running: 10.5A for +12V;

Additional external current apply to Power Supply: 1.5 A for +12V;

For power supply PA-1181-7

The current consumption with CPU fully running: 11.2 A for +12V;

Additional external current apply to Power Supply: 2 A for +12V;

For power supply PCK027

The current consumption with CPU fully running: 11.8 A for +12V1;

Additional external current apply to Power Supply: 6 A for +12V1;

For power supply PA-1261-7

The current consumption with CPU fully running: 10.9 A for +12V1;

Additional external current apply to Power Supply: 7 A for +12V1;

For power supply PCM012

The current consumption with CPU fully running: 11.7A for +12V;

Additional external current apply to Power Supply: 7.0A for +12V.

Technical Considerations

- The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of : 35°C
- 1.3 The means of connection to the mains supply is: Pluggable A
- Detachable power cord
- 1.4 The product is intended for use on the following power systems: TN
- 1.5 The equipment disconnect device is considered to be: Appliance inlet
- 1.6 The class of laser product is: Class 1 (I), applied on certified CD-ROM and/or DVD-ROM.
- 1.9 The following circuit locations (with circuit/schematic designation) were investigated as a limited power source (LPS): All outputs.
- 1.13 The following are available from the Applicant upon request: Installation (Safety) Instructions / Manual
- 1.21 LEDs provided in the product are considered low power devices: Yes

Abbreviations used in the report:

- normal conditions	N.C.	- single fault conditions	S.F.C
- functional insulation	OP	- basic insulation	BI
- double insulation	DI	- supplementary insulation	SI
- between parts of opposite polarity	BOP	- reinforced insulation	RI

Indicate used abbreviations (if any)

IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict

	Model identification or type reference	See "Models and Ratings".	Pass
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Issue Date: 2021-10-20
Amendment 2 2022-09-27

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Enclosures

Report Reference # E307995-A6127-CB-1

Enclosures

Type	Supplement Id	Description
Miscellaneous	07-01	Manufacturer declaration letter

Miscellaneous ID 07-01

DRAFT CB TEST CERTIFICATE INFORMATION

Generated by BlueBox Publisher on: 2022/09/27

Product	Personal Computer
Name and address of the Applicant	LENOVO (BEIJING) LTD 201-H2-6, FLOOR 2, BUILDING 2 NO.6 SHANGDI WEST ROAD, HAIDIAN DISTRICT BEIJING 100085 CHINA
Name and address of the Manufacturer	LENOVO (BEIJING) LTD 201-H2-6, FLOOR 2, BUILDING 2 NO.6 SHANGDI WEST ROAD, HAIDIAN DISTRICT BEIJING 100085 CHINA
Name and address of the Factory(ies)	LENOVO CENTRO TECNOLÓGICO SDE RL DE CV APODACA TECHNOLOGY PARK BOULEVARD ESCOBEDO #316 APODACA, NUEVO LEON, MEXICO C.P. 66600. LENOVO (INDIA) PRIVATE LIMITED 19/1A & 19/2A, CUDDALORE MAIN ROAD, EDAYARPALAYAMVILLAGE, THAVALAKUPPAM PUDUCHERRY 605007 INDIA LENOVO TECNOLOGIA (BRASIL) LTDA Estrada Municipal Jose Costa de Mesquita, 200, Modulos 5 a 10, Chacara Alvorada, INDAIATUBA SP 13337-200, BRAZIL HONGFUJIN PRECISION INDUSTRY (WUHAN) CO LTD FOXCONN TECHNOLOGY GROUP, 1 ST RD 2 OF GUANG GU ADVANCED, NEW TECHNOLOGY DEVELOPING ZONE, WUHAN HUBEI 430205, CHINA LENOVO US FULFILLMENT CENTER LLC 6540 FRANZ WARNER PARKWAY WHITSETT, NC 27377, USA LENOVO INFORMATION PRODUCTS (SHENZHEN) CO LTD FUTIAN FREE TRADE ZONE, 30 TAO HUA RD, SHENZHEN GUANGDONG 518038, CHINA FLEXTRONICS INTERNATIONAL KFT. SARVAR, IKERVARI UT 25. H - 9600 HUNGARY NEC PERSONAL COMPUTERS, LTD. 6-80, SHIMOHANAZAWA 2-CHOME, YONEZAWASHI, YAMAGATA 992- 8520 JAPAN LENOVO MANUFACTURING HUNGARY KFT.

Miscellaneous ID 07-01

K-SPED KRT 28 ULLO, 2225 HUNGARY

LENOVO INFORMATION PRODUCTS (SHENZHEN) CO LTD
2F, NO.1 Plant, Lenovo Innovation Park, Lidu Road, Loucun
Community, Xinhua Street, Guangming District, Shenzhen, Guangdong,
China

Rating and principal characteristics

Input: 100-240Vac, 3.6A, 50/60Hz

Trademarks (if any)

Lenovo

Model / Type ref.

11SW*****, 11SX*****, 11SY*****, 11T0*****, ThinkCentre neo
50s Gen 3, ThinkCentre neo 50s Gen 4, 12JE*****, 12JF*****,
12JG*****, 12JH***** (Where * may be 0-9, a-z, A-Z, any
alphanumeric character, hyphen or blank)

Additional information (if necessary)

A sample of the product was tested and found
to be in conformity with

As shown in the Test Report Ref. No.
which forms part of this Certificate

E307995-A6126, E307995-A6122, E307995-A6127

Client Representative

Yanqiang Yu

Client email (or fax)

yuyq3@lenovo.com

This form is to acknowledge that the above information has been reviewed and the material has been found to be accurate as stated. This is also to record client's confirmation that above factories manufacture product(s) that are equal to those submitted for testing and certification. (Refer to IECEE 02, Sub-clause 4.2.5: "When the application covers more than one factory, the address of each factory shall be stated in the CB Test Certificate and the NCB shall take steps to ensure that the products from all the factories are equal. That shall be confirmed in the Test Report.")

Signed:



Dated: 2022.09.27

***Definitions** per IECEE 02 (<http://www.iecee.com/cbscheme/pdf/IECEE02.pdf>):

Applicant: A firm or a person who applies to an NCB for obtaining a CB Test Certificate.

Manufacturer: An organization, situated at a stated location or locations, that carries out or controls such stages in the manufacture, assessment, handling and storage of a product that enables it to accept responsibility for continued compliance of the product with the relevant requirements and undertakes all obligations in that connection.

Factory: The location(s) at which the product is produced or assembled and follow-up service is established by the NCB.