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ERP TEST REPORT

Report No: STS1712358A02

Issued for

Microtech srl

Via Aldo Moro, 9 Buccinasco 20090 Milano Italy

Product Name:	e-book Pro
Brand Name:	Microtech
Model Name:	EB14AI32 - EB14AS32
Series Model:	N/A
Test Standard:	(EU) No 617/2013 (EU) No 801/2013



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ERP TEST REPORT Declaration Electric power consumption standby and off mode of electrical and electronic household and office equipment	
Report Number.....	STS1712358A02
Tested by (+ signature)	Mona Tao 
Reviewed by (+ signature)	Sky Hu 
Approved by (+ signature)	Bovey Yang 
Date of issue.....	18 Jan. 2018
Total number of pages.....	9 pages
Testing laboratory	Shenzhen STS Test Services Co., Ltd.
Address	1/F., Building B, Zhuoke Science Park, No.190, Chongqing Road, Fuyong Street, Bao'an District, Shenzhen, Guangdong, China
Applicant's name	Microtech srl
Address.....	Via Aldo Moro, 9 Buccinasco 20090 Milano Italy
Test specification:	
Test procedure.....	(EU) No 617/2013 (EU) No 801/2013
Non-standard test method.....	N/A
This test report is specially limited to the above client company and product model only. It may not be duplicated without prior written consent of STS Test.	
Test item description.....	e-book Pro
Trade Mark	Microtech
Manufacturer.....	Microtech srl
Address	Via Aldo Moro, 9 Buccinasco 20090 Milano Italy
Model/Type reference	EB14AI32 - EB14AS32
Ratings.....	Input: 12V  , 2000mA (By AC ADAPTER) or 7.6V  , 5000mAh (By Li-ion rechargeable battery) USB Output: 5V  , 500mA*2 (2 USB ports)
Number if test objects	1pcs
Possible test case verdicts:	
- test case does not apply to the test object	N (not applicable)
- test object does meet the requirement	P (Pass)
- test object does not meet the requirement	F (Fail)
Testing.....	
Date of receipt of test item.....	12 Jan. 2018
Date(s) of performance of tests.....	12 Jan. 2018~18 Jan. 2018



General remarks:

“(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.

The test results presented in this report relate only to the object tested.

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Comments:

This report also includes:

- Photo documentation: 1page

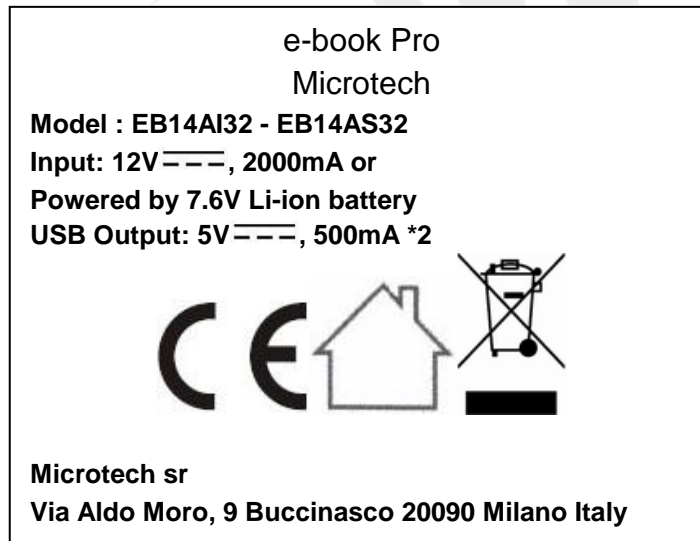
- Equipment list :1 page

Summary of testing:

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Copy of marking plate

The artwork below may be only a draft.



Remark on above marking:

1, The height of CE symbols is more than 5 mm;

2, The height of WEEE symbols is more than 7 mm;

(EU) No 617/2013

Clause	Requirement+Test	Result-Remark	Verdict
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1 PRODUCT INFORMATION

Information	Remark
Computer type	e-book Pro
Category type	Category A
CPU type	CPU Apollo Lake 2c N3350 6w 2.4GHz BURST CELERON 12EU B1 VER:SR2Z7 FCGBA LEAR-FREE - 001
System memory	On board 4G
Storage	32G
Panel	13.3" 1920×1080
Power Supply	Model: EE1225-105 Input: 100-240V~ 50/60Hz 500mA Output: 12Vdc, 2500mA
Battery Capacity	7.6Vdc, 5000mAh

Note:

The tests have been carried out in accordance with the test programme, and as such, the results are only applicable to the sample tested and the conditions of the test. Sample variability and changes in test conditions could influence some results, and the result(s) as stated may not be representative of the mean result if a number of different samples were tested under a variety of test conditions.

2 GENERAL CONDITIONS FOR MEASUREMENTS

Test condition parameter	
Ambient temperature	20°C ± 5°C
Test voltage	230V ± 1 %
Relative Humidity	10-80%
Total harmonic Distortion (THD) (Voltage)	≤ 2%
Power measurement accuracy	≤ 0.01W (Power < 10W) ≤ 0.1W (10W < Power <100W) ≤ 1W (100W < Power)
Resolution of power meter	0.01W
Crest Factor	1.34 -1.49

(EU) No 617/2013			
Clause	Requirement+Test	Result-Remark	Verdict

3 List of Measured or Calculated Values

The annual total energy consumption (E_{TEC} in kWh/year)	15.55kWh
Idle state power demand (Watts)	3.674W
Sleep mode power demand (Watts)	2.155W
Sleep mode with WOL enabled power demand (Watts)	N.A
Off mode power demand (Watts);	0.762W
Off mode with WOL enabled power demand (Watts)	N.A
Internal power supply efficiency at 10 %, 20 %, 50 % and 100 % of rated output power;	N.A
External power supply efficiency;	Comply

4 CONCLUSION

Mode	Performance Parameter	Standard	Result - Remark	Verdict
Annual total energy consumption (E_{TEC})	$E_{TEC} = (8\ 760/1\ 000) \times (0,60 \times P_{off} + 0,10 \times P_{sleep} + 0,30 \times P_{idle})$ where all P x are power values in the indicated mode/state as defined in the definition section, measured in Watts (W)	Category A computer: 36,00KWh	15.55kWh	Pass
Sleep mode power demand (Watts)	'Sleep mode' means a low power mode that a computer is capable of entering automatically after a period of inactivity or by manual selection.	Less than 5.00W	2.155	Pass
Off mode power demand (Watts);	'Off mode' means the power demand level in the low power mode which cannot be switched off (influenced) by a user, other than through the movement of a mechanical switch, and which may persist for an indefinite period of time when the appliance is connected to the main electricity supply and used in accordance with the manufacturer's instructions.	Less than 1.00W	0.762	Pass

The appliance complies with requirements of COMMISSION REGULATION (EU) No 617/2013 of 26 June 2013



(EU) No 801/2013			
Clause	Requirement+Test	Result-Remark	Verdict

5 CONCLUSION

ATTACHMENT TO TEST REPORT Stage III after the Regulation has come into force (Jan. 01, 2015) of COMMISSION REGULATION (EU) No. 801/2013 of 22 August 2013
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3(a)	Networked equipment can connected to a wireless network		N
3(b)	Power management for networked equipment		P
	Equipment shall, unless inappropriate for the intended use, offer a power management function or a similar function. When equipment is not providing a main function, and other energy-using product(s) are not dependent on its functions, the power management function shall switch equipment after the shortest possible period of time appropriate for the intended use of the equipment, automatically into a condition having networked standby.		P
	The power management function may switch equipment automatically into standby mode or off mode or another condition which does not exceed th applicable power consumption requirements for standby or off mode		P
	The power management fction shall be available for all network ports		P
3(c)	Networked equipment that has one or more standby modes shall comply with the requirements for these standby mode(s) when all network ports are deactivated.		P
3(d)	Networked equipment other than HiNA equipment shall comply with the provisions under 2(d) when all network ports are deactivated.		P
3(e)	The power consumption of HiNA equipment shall not exceed 12,00 W.	3.674W	P
	The power consumption of other networked equipment shall not exceed 6,00 W.		N



(EU) No 617/2013

Clause	Requirement+Test	Result-Remark	Verdict
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Table 1	Standby mode		P
	Voltage (230V±1%).....(V):	230.0V	
	Frequency.....(Hz) :	50	
	T amb.....(°C):	22.5	
Operation condition	Power measured (W)	Model No.	
Standby mode	0.846	EB14AI32	
OFF-mode	0.762	EB14AI32	

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TABLE 2	Power consumption		P
	Voltage (230V±1%).....(V):	230.0	
	Frequency.....(Hz) :	50	
	T amb.....(°C):	22.5	
Operation condition	Power measured (W)	Model No.	
Power consumption mode	3.674	EB14AI32	

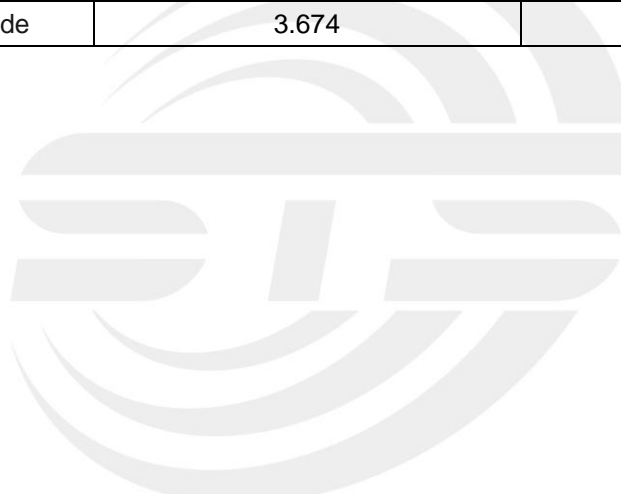


Photo-documentation:



Fig. 1 Overall view



Fig. 2 Overall view

**Equipment List**

STS-S Ref.	Equip. name	Supplier	Type	Serial no	Last cal.	Due to
STS-S063	Power meter	YOKOGAWA	WT210	91J922438	2017/3/11	2018/3/10
STS-S036	Power Converter	BEST	BEST61000	20141011967	2017/4/16	2018/4/15

===== End of Test Report =====

