





TEST REPORT COMMISSION REGULATION (EC) No 617/2013 of 26 June 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for computers and computer servers	
Report reference No	T1511136-044
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Applicant's Name	IGEL TECHNOLOGY GMBH
Address	HANNA-KUNATH-STR. 31 28199 BREMEN, GERMANY
Test specification	
Standard	COMMISSION REGULATION (EU) No 617/2013
Test procedure	Annex III of COMMISSION REGULATION (EU) No 617/2013 of 26 June 2013
Non-standard test method	N/A
Test item description	
Manufacturer.....	IGEL TECHNOLOGY GMBH
Trademark	IGEL
Model and/or type reference	IGEL-TC215B
Serial number	Test sample without serial number
Rating(s)	Input: DC 19V, 3.15A
Testing	
Date of receipt of test item	2016-01-30
Date(s) of performance of test	2016-02-01 to 2016-02-16
General remarks:	
Details and test results are given in subsequent pages of this report.	
This report refers only to the unit(s) submitted for test.	
"(see remark #)" refers to a remark appended to the report.	
"(see Annex #)" refers to an annex appended to the report.	
Throughout this report a point is used as the decimal separator.	



Product describe	
Country of manufacture	Taiwan
Year of manufacture	2016
Power supply	External
Brand name	1. Elementech or 2. Adapter
Model number.....	1. A160-1190320N or 2. ATSS065T-P190
Rating	1. Input: 100-240VAC, 50-60Hz, 1.6A; Output: 19Vdc, 3.15A. 2. Input: 100-240VAC, 50-60Hz, 1.4A Max.; Output: 19Vdc, 3.15A
Power management features	Provided
Information to be provided by manufacturers	See user's manual or web site
Product Type	Desktop Thin Client
O.D.D.....	N/A
Operation system.....	Windows Embedded Standard
Wake on LAN	Enable
additional allowance.....	--
CPU	Intel Celeron J1900 (4 physical core)
Category	--
TEC_{base} (kWh)	--
RAM.....	2G
TEC_{memory} (kWh)	--
Graphics Processing Unit type	Intel® HD Graphics
Frame buffer bandwidth.....	N/A
Category	--
TEC_{dGfx} (kWh)	--
Storage device.	One device (SSD, 16G)
TEC_{storage} (kWh)	--
Discrete TV tuners.....	N/A
TEC_{tv} (kWh)	--
Discrete audio tuners.....	N/A
TEC_{audio} (kWh)	--
E_{TEC} = TEC_{base} + TEC_{dGfx} + TEC_{memory} +	--
TEC_{storage} + TEC_{tv} + TEC_{audio}	--



Test environment:

Ambient temperature (°C)	21°C
Relative Humidity (%)	53%
Total harmonic distortion of the electricity supply system	Under 2%
Test voltage	230Vac
Test frequency	50Hz
Air speed.....	0.2m/s

Copy of marking plate:

The artwork below may be only a draft.



Note: All models are identical, except for model number difference.



Measurement Result:	
WoL status at shipment	Enabled
Operation Condition Off mode Measured Input Power (W)	2.30
Operation Condition Sleep mode Computer display time to sleep Computer time to sleep Measured Input Power (W)	10 minutes (could be set-up according to the user's need) 20 minutes (could be set-up according to the user's need) 2.74
Operation Condition Idle mode Measured Input Power (W)	24.24
Measured: $E_{TEC} \text{ calculated} = (8760/1000) \times (0.6 \times P_{off} + 0.1 \times P_{sleep} + 0.3 \times P_{idle})$	N/A
Internal Power Supply efficiency at 10% at 20% at 50% at 100% Power Factor at 100% load	N/A

Calculated Results:	
Sleep mode power consumption (W)	2.74
Sleep mode limit applied (W)	N/A
Sleep mode verdict	N/A
Lowest power consumption (W)	N/A
Lowest limit applied (W)	N/A
Lowest mode verdict	N/A
Off mode power consumption (W)	2.30
Off mode limit applied (W)	N/A
Off mode verdict	N/A
Calculated E_{TEC} (kWh/year)	--
E_{TEC} limit applied (kWh/year)	N/A
E_{TEC} verdict	N/A
Internal Power Supply efficiency at 10% Internal Power Supply efficiency at 20% Internal Power Supply efficiency at 50% Internal Power Supply efficiency at 100% Power Factor at 100% load Internal power supply verdict	N/A

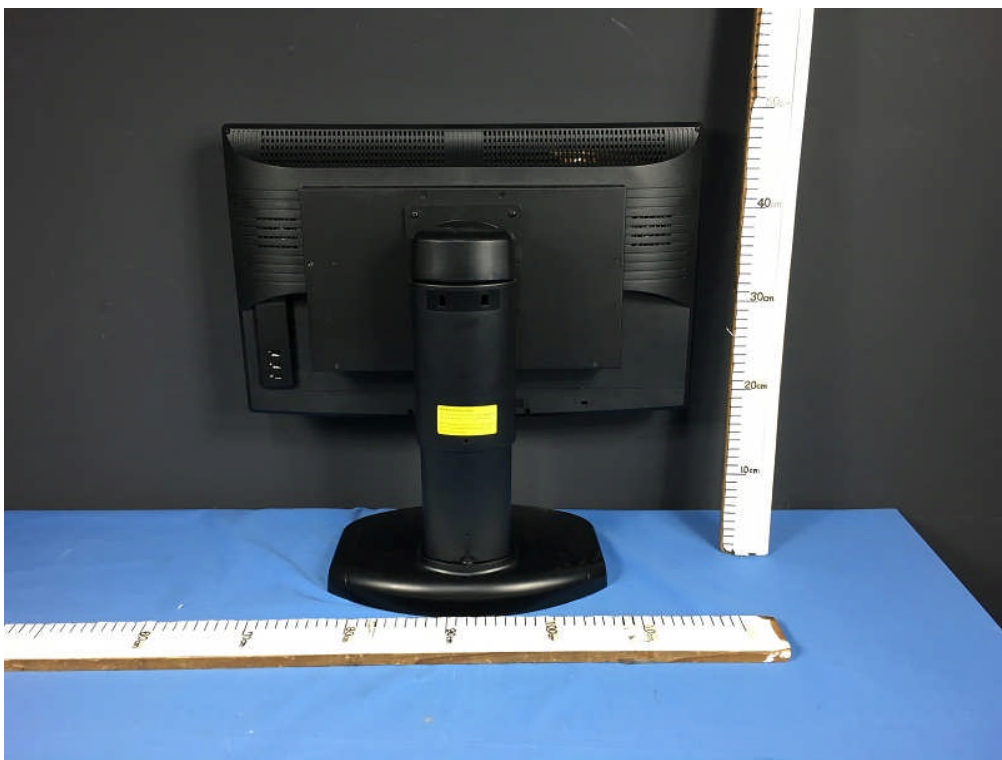


Photo(s)

Out view 1



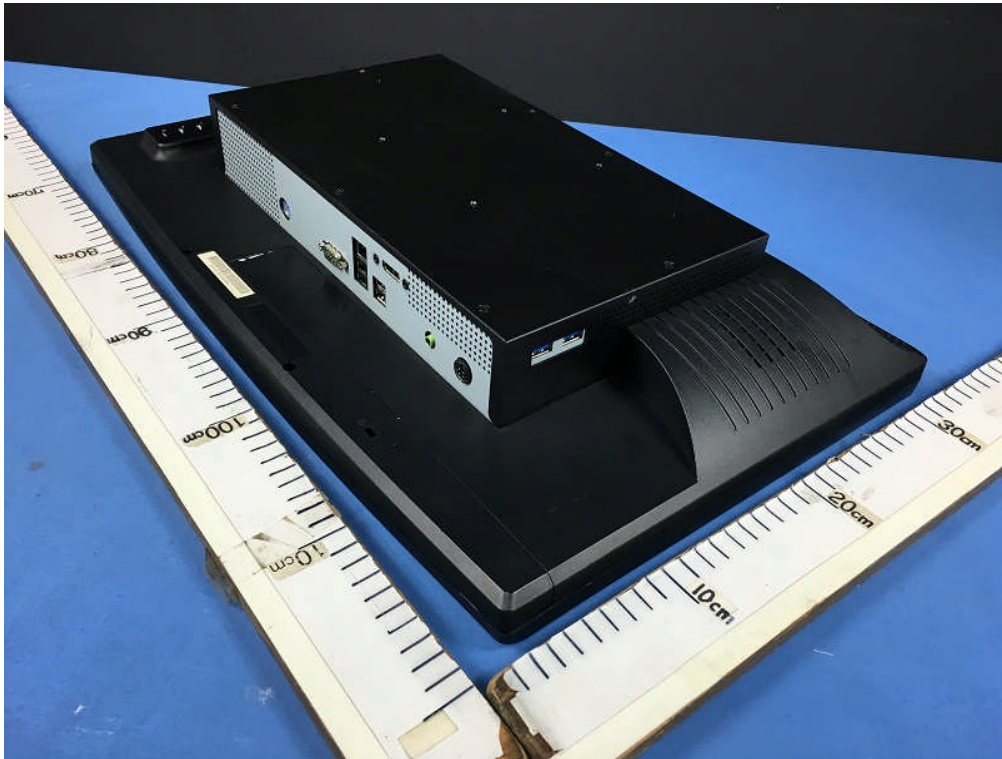
Out view 2





Photo(s)

Out view 3



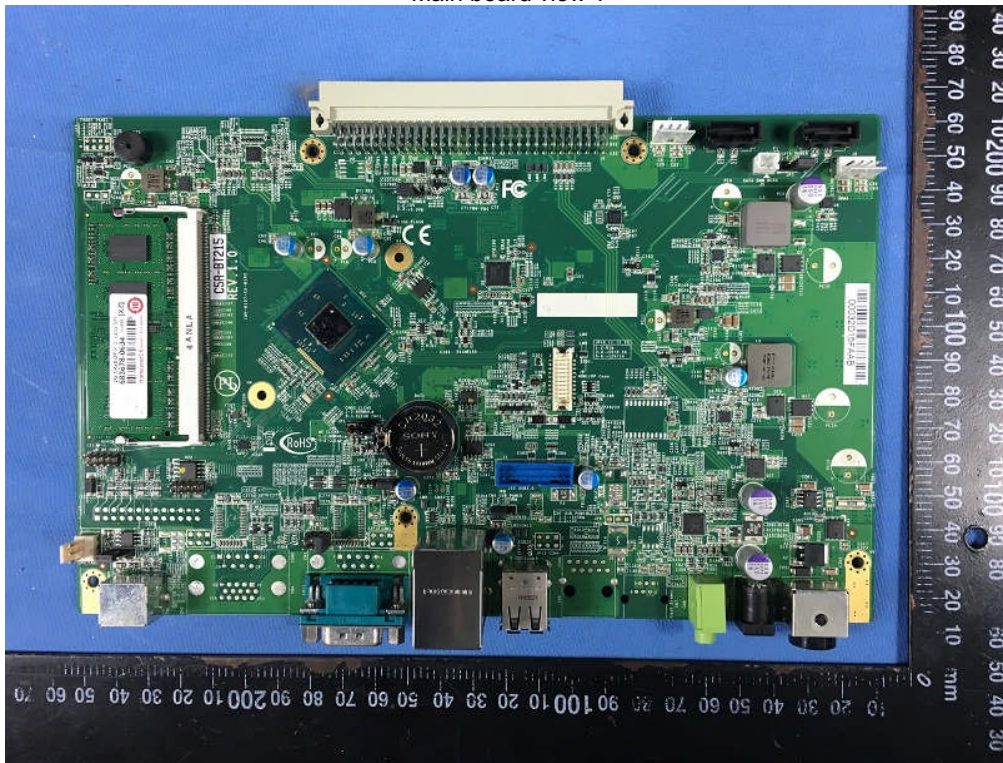
Inside view 1





Photo(s)

Main board view 1



Main board view 2





Photo(s)

Out view for Power Adapter 1 (Adapter)



Out view for Power Adapter 2 (Adapter)





Photo(s)

Out view for Power Adapter 1 (Elementech)



Out view for Power Adapter 2 (Elementech)





Annex: Test equipment list

Equipment	ID No.	Model	Brand/Manufacturer	Calibration due date
DC Electronic Load	CCC011	63102	Chroma	01/03/2017
Temperature and Humidity Recorder	CCC167	175H1	Testo	07/07/2016
Digital Calendra Clock	CCC110	W-9988	—	01/05/2017
Anemometer	CCC137	Am-4202	Lutron	02/16/2017
Digital Power Meter	CCC151	WT210	YOKOGAWA	10/03/2016
Switching Power Supply 1KV	CCCN008	2700M-10	Zentech	N/A

End of this test report