Technical Documentation of (EU) No 617/2013

Product type	Notebook	computer
Product category	A	В
	Acer Italy s.r.l,	
Manufacturer name, address	Via Lepetit, 40, 20020 Lainate (MI) Italy	
Product model number	Aspire E5-532	Aspire E5-532G
Year of manufacture	20	15
E _{TEC} allowance with capability		
adjustments when discrete graphics cards	37.6 kWh/year	49.6 kWh/year
are disabled (from 1 July 2014)		
E _{TEC} allowance with capability		
adjustments when discrete graphics cards	Not applicable	69.6 kWh/year
are enabled (from 1 July 2014)		
E _{TEC} allowance with capability		
adjustments when discrete graphics cards	28.6 kWh/year	37.6 kWh/year
are disabled (from 1 January 2016)		
E _{TEC} allowance with capability		
adjustments when discrete graphics cards	Not applicable	48.6 kWh/year
are enabled (from 1 January 2016)		
Whether all discrete graphics card are	No	Yes
enabled during the test	INO	162
Whether switchable graphics mode with		
	No	Yes
UMA is driving the display during the test		
E _{TEC} of highest power-demanding	11 60 kMb/voor	42.47 k\Nb/voor
configuration	11.68 kWh/year	13.17 kWh/year
Idle state power demand	3.85 Watt	4.38 Watt
Sleep mode power demand	0.72 Watt	0.76 Watt
Sleep mode with WOL enabled power	Not applicable	Not applicable
demand	Thot applicable	пот арріїсаріе
Off mode power demand	0.18 Watt	0.19 Watt
Off mode with WOL enabled power	Not applicable	Not applicable
demand	Trot applicable	140τ αρριιοαδίο
Maximum power demand	Not applicable	Not applicable
Internal power supply (IPS) efficiency at		
10 %, 20 %, 50 % and 100 % of rated	Not applicable	Not applicable
output power		
External power supply's (EPS) average	88.20%	89.16%
active efficiency		
Noise levels (the declared A-weighted	2.8 B	2.8 B
sound power level, L _{WAd}) of idle mode		
Noise levels (the declared A-weighted		
sound power level, L _{WAd}) of "HDD random	2.8 B	2.8 B
seek" mode		

Minimum number of loading cycles that	400 cycles	400 cycles
the batteries can withstand	·	0.40.00
Configuration of memory	2~16 GB	2~16 GB
Configuration of discrete television tunor	1 piece	1 piece
Configuration of discrete television tuner	0 piece	0 piece
Configuration of discrete audio card Configuration of discrete graphics cards	0 piece	0 piece
Configuration of discrete graphics cards category	0 piece Not applicable	1 piece G2
The external package of the notebook		
provides the information, "The battery in this product cannot be easily replaced by users themselves."	Yes	Yes
For products with an integrated display, the total content of mercury is	0 mg	0 mg
Measurement methodology for E _{TEC}	COMMISSION REGULATI 26 June 2013 implementing the European Parliament a regard to ecodesign require computer servers: ANNEX II Ecodesign require 1.3.1. E _{TEC} formula.	g Directive 2009/125/EC of nd of the Council with ements for computers and
Measurement methodology for idle mode	EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption: 5.2. Test setup; 5.3.4. Measuring long idle mode; 5.7. True RMS watt meter specification; 5.8. True RMS watt meter accuracy; Annex E.2 (informative) ENERGY STAR® V5 compliant testing methodology.	
Measurement methodology for sleep mode	EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption: 5.2. Test setup; 5.3.3. Measuring sleep mode; 5.4. Test conditions; 5.7. True RMS watt meter specification; 5.8. True RMS watt meter accuracy.	

Measurement methodology for off mode Measurement methodology for IPS	EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption: 5.2. Test setup; 5.3.2. Measuring off mode; 5.4. Test conditions; 5.7. True RMS watt meter specification; 5.8. True RMS watt meter accuracy. Not applicable
efficiency Measurement methodology for EPS efficiency	EN 50563:2011 External a.c.—d.c. and a.c.—a.c. power supplies — Determination of no-load power and average efficiency of active modes.
Measurement methodology for noise level	ECMA-109 2 nd edition (December 1987) Declared Noise Emission Values of Computer and Business Equipment: 4. Determination of the declared noise emission values. ECMA-74 11 th edition (December 2010) Measurement of Airborne Noise emitted by Information Technology and Telecommunications
Measurement methodology for battery loading cycles	EN 61960:2011 Secondary cells and batteries containing alkaline or other non-acid electrolytes — Secondary lithium cells and batteries for portable applications: 7.6.1 General; 7.6.3 Endurance in cycles (accelerated test procedure).

Sequence of steps for achieving a stable condition with respect to power demand	EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption: 5.2. Test setup; 5.3.2. Measuring off mode; 5.3.3. Measuring sleep mode; 5.3.4. Measuring long idle mode.
Description of how sleep mode was selected or programmed	EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption: 5.2. Test setup; 5.3.3. Measuring sleep mode.
Description of how off mode was selected or programmed	EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption: 5.2. Test setup; 5.3.2. Measuring off mode.
Sequence of events required to reach the mode where the equipment automatically changes to sleep mode	ENERGY STAR® Program Requirements Product Specification for Computers, Eligibility Criteria Version 6.0, Rev. Oct-2013: 1.D.4 Sleep Mode.
Sequence of events required to reach the mode where the equipment automatically changes to off mode	Not applicable
The duration of idle state condition before the computer automatically reaches sleep mode, or another condition which does not exceed the applicable power demand requirements for sleep mode	30 minutes
The length of time after a period of user inactivity in which the computer automatically reaches a power mode that has a lower power demand requirement than sleep mode	30 minutes
The length of time before the display sleep mode is set to activate after user inactivity	10 minutes

User information on the energy-saving potential of power management functionality	http://www.energystar.gov/index.cfm?c=power_mgt.p r_power_mgt_users
User information on how to enable the power management functionality	http://www.energystar.gov/index.cfm?c=power_mgt.p r_power_mgt_users
Test parameter for ambient temperature	25 ℃
Test parameter for test voltage	230 V
Test parameter for frequency	50 Hz
Test parameter for total harmonic	2 %
distortion of the electricity supply system	2 70
Test parameter for information and documentation on the instrumentation, set-up and circuits used for electrical testing	Equipment setup: 1.1 AC Power Source: Chroma model 61602 1.2 Power-Meter: YOKOGAWA WT210 2. Test Condition: 2.1 AC Power Source: 2.1.1 Input power and frequency: 230Volts (+/-1%) AC, 50Hz (+/-1%) Relative Humidity: 50%