

# Energy-related Product Information

#	Product type	Notebook computer			
1	Manufacturer name, address	Acer Italy s.r.l, Via Lepetit, 40, 20020 Lainate (MI) Italy			
2	Year of manufacture	2017			
3	Product model number	CB311-8H	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
4	Product category defined for (EU)	A	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
5	Whether all discrete graphics card are enabled during the test	No	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
6	Whether switchable graphics mode with UMA is driving the display during the test	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
7	Configuration of memory (unit: GB)	8	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
8	Configuration of internal storage (unit: piece)	1	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
9	Configuration of discrete television tuner (unit: piece)	0	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
10	Configuration of discrete audio card (unit: piece)	0	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
11	Configuration of discrete graphics cards (unit: piece)	0	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
12	Configuration of discrete graphics cards category	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
13	$E_{TEC\_Base}$ (unit: kWh/year)	27	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
14	$Adder\_TEC_{Memory}$ (unit: kWh/year)	1.6	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
15	$Adder\_TEC_{1st\_Graphic}$ (unit: kWh/year)	0	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
16	$Adder\_TEC_{Additional\_Graphic}$ (unit: kWh/year)	0	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
17	$Adder\_TEC_{Storage}$ (unit: kWh/year)	0	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
18	$Adder\_TEC_{TV}$ (unit: kWh/year)	0	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
19	$Adder\_TEC_{Audio}$ (unit: kWh/year)	0	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
20	$E_{TEC\_Max}$ (unit: kWh/year)	28.6	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
21	$E_{TEC}$ of highest power-demanding configuration (unit: kWh/year)	13.13	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
22	Idle state power demand (unit: Watt)	4.76	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
23	Sleep mode power demand (unit: Watt)	0.17	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
24	Sleep mode with WOL enabled power demand (unit: Watt)	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
25	Off mode power demand (unit: Watt)	0.09	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
26	Off mode with WOL enabled power demand (unit: Watt)	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
27	Standby mode power demand (unit: Watt)	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
28	Maximum networked standby mode power demand (unit: Watt)	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
29	Maximum wired networked standby mode power demand (unit: Watt)	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
30	Maximum wireless networked standby mode power demand (unit: Watt)	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
31	Maximum power demand (unit: Watt)	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
32	Noise levels (the declared A-weighted sound power level, $L_{WA(d)}$ ) of idle mode (unit: B)	2.6	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>

33	Noise levels (the declared A-weighted sound power level, $L_{WA(d)}$ ) of "HDD random seek" mode (unit: B)	2.6	<i>Not applicable</i>	<i>Not applicable</i>	<i>Not applicable</i>
34	<a href="#">Internal</a> Power Supply efficiency at 10%	<i>Not Applicable</i>			
35	<a href="#">Internal</a> Power Supply efficiency at 20%	<i>Not Applicable</i>			
36	<a href="#">Internal</a> Power Supply efficiency at 50%	<i>Not Applicable</i>			
37	<a href="#">Internal</a> Power Supply efficiency at 100%	<i>Not Applicable</i>			
38	<a href="#">External</a> power supply average active efficiency	88.70%			
39	Minimum number of loading cycles that the batteries can withstand (applies only to notebook computers)(unit: cycle)	400			
40	The external package of the notebook provides the information, "The battery in this product cannot be easily replaced by users themselves."	Yes			
41	For products with an integrated display, the total content of mercury is	0 mg			
42	<a href="#">Network port information</a>	<a href="#">Wired</a> Network	<a href="#">Wireless</a> network		
43	Network port number	0	1		
44	Network port type	<i>Not applicable</i>	IEEE 802.11ac		
45	Location of wired network port on the equipment	<i>Not applicable</i>	<i>Not applicable</i>		
46	Whether all network ports are deactivated before delivery	<i>Not applicable</i>	No		
47	The trigger to reactivate the equipment	<i>Not applicable</i>	<i>Not applicable</i>		
48	The (maximum) performance specification	<i>Not applicable</i>	867 Mbit/s		
49	Communication protocol	<i>Not applicable</i>	TCP/IP		
50	Guidance on how to <a href="#">activate</a> wireless network ports	<i>Not applicable</i>	1. At the "bottom right" control section, select the time. 2. Select "Not Connected, Wi-Fi" icon.		
51	Guidance on how to <a href="#">deactivate</a> wireless network ports	<i>Not applicable</i>	1. At the "bottom right" control section, select the time. 2. Select "Connected, Wi-Fi"		
52	<a href="#">Default time</a>	<a href="#">The default time</a> after which the power management function, or a similar function, switches the equipment into the applicable low power mode or condition (unit: minute)			
53	Display sleep mode	10			
54	Sleep mode	15			
55	Standby mode	<i>Not applicable</i>			
56	Off mode	<i>Not applicable</i>			
57	<a href="#">Wired</a> Networked standby mode	<i>Not applicable</i>			
58	<a href="#">Wireless</a> Networked standby mode	<i>Not applicable</i>			
59	<a href="#">Sequence of steps</a>	<a href="#">Sequence of steps</a> for achieving the applicable power mode or condition			
60	Achieving a stable condition with respect to power demand	EN 62623:2013: 5.2. Test setup; 5.3.2. Measuring off mode; 5.3.3. Measuring sleep mode; 5.3.4. Measuring long idle mode.			

61	Automatically changing to <a href="#">sleep</a> mode	ENERGY STAR® Program Requirements Product Specification for Computers, Eligibility Criteria Version 6.0, Rev. Oct-2013: 1.D.4 Sleep Mode.
62	Automatically changing to <a href="#">standby</a> mode	<i>Not applicable</i>
63	Automatically changing to <a href="#">off</a> mode	<i>Not applicable</i>
64	Automatically changing to <a href="#">wired</a> Networked standby mode	<i>Not applicable</i>
65	Automatically changing to <a href="#">wireless</a> Networked standby mode	<i>Not applicable</i>
66	<a href="#">Measurement methodology</a>	<a href="#">Measurement methodology</a> for the specific mode or condition if applicable
67	$E_{TEC}$	(EU) No 617/2013 ANNEX II Ecodesign requirements and timetable: 1.3.1. $E_{TEC}$ formula.
68	Idle mode	EN 62623:2013: 5.2. Test setup; 5.3.4. Measuring long idle mode;
69	Sleep mode	EN 62623:2013: 5.2. Test setup; 5.3.3. Measuring sleep mode;
70	Off mode	EN 62623:2013: 5.2. Test setup; 5.3.2. Measuring off mode;
71	<a href="#">Internal</a> power supply (IPS) efficiency	Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies Revision 6.6 (April, 2012).
72	<a href="#">External</a> power supply's (EPS) average active 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.
73	Noise level	ECMA-109: 4. Determination of the declared noise emission values. ECMA-74: 5. Installation and operating instructions; 6. Method for determination of sound power levels of equipment in reverberation test rooms; 7. Method for determination of sound power levels of equipment under essentially free-field conditions over a reflecting plane; Annex C.15 Equipment category: personal computers and workstations.
74	Battery loading cycles	EN 61960:2011: 7.6.1 General; 7.6.3 Endurance in cycles (accelerated test procedure).
75	Notes regarding the operation of the equipment	<i>Not applicable</i>
76	User information on the energy-saving potential of power management functionality	<a href="http://www.energystar.gov/index.cfm?c=power_mgt.pr_power_mgt_users">http://www.energystar.gov/index.cfm?c=power_mgt.pr_power_mgt_users</a>
77	User information on how to enable the power management functionality	<a href="http://www.energystar.gov/index.cfm?c=power_mgt.pr_power_mgt_users">http://www.energystar.gov/index.cfm?c=power_mgt.pr_power_mgt_users</a>
78	Test parameter for ambient temperature	25 °C
79	Test parameter for test voltage	230 V

80	Test parameter for frequency	50 Hz
81	Test parameter for total harmonic distortion of the electricity supply system	3%
82	Test parameter for information and documentation on the instrumentation, set-up and circuits used for electrical testing	<p>Equipment setup:</p> <p>1.1 AC Power Source: Chroma model 61602</p> <p>1.2 Power-Meter: YOKOGAWA WT210</p> <p>2. Test Condition:</p> <p>2.1 AC Power Source :</p> <p>2.1.1 Input power and frequency: 230Volts (+/-1%) AC, 50Hz (+/-1%)</p>