CORSAIR

ENERGY EFFICIENCY LEAFLET

Customer Support: help.corsair.com

COMMISSION REGULATION (EU) No 617/2013
Product Environment Technical Documentation Declaration
Desktop computer, Integrated desktop computer, and Notebook computer

(a) Product category: Category D

(b) Manufacturer's name: CORSAIR MEMORY, Inc.
115 North McCarthy Blvd, Milpitas, CA 95035, U.S.A

(c) Product model number: RCSXXXX, X is 0-9

(d) Year of manufacture: Please refer S/N in product label

(e) ETEC value (kWh) and capability adjustments applied when all discrete graphics cards (dGfx) are disabled and if the system is tested with switchable graphics mode with UMA driving the display: N/A

(f) ETEC value (kWh) and capability adjustments applied when all discrete graphics cards (dGfx) are enabled: 276.180

(g) Idle state power demand (Watts): 78.301

(h) Sleep mode power demand (Watts): 3.413

(i) Sleep mode with WOL enabled power demand (Watts): --

(j) Off mode power demand (Watts): 0.245

(k) Off mode with WOL enabled power demand (Watts): --

(l) Internal power supply efficiency at 10 %, 20 %, 50 % and 100 % of rated output power (Watts): Refer to the power supply test report

(m) External power supply efficiency: N/A

(n) Noise levels (the declared A-weighted sound power level) of the computer:
21.8 dB(A) in idle mode
41.4 dB(A) in maximum operation mode

(o) The minimum number of loading cycles that the batteries can withstand (applies ONLY to notebook computers): N/A

(p) The measurement methodology used to determine information mentioned in point (e) to (o):
(e) through (k): EN 50564:Electrical and electronic household and office equipment – Measurement of low power consumption. IEC 62623: Desktop and Notebook Computers – Measurement of Energy consumption
(l): Generalized Test Protocol for Calculating the Energy Efficiency of Internal AC – DC and DC – DC power supplies reversion 6.6
(n): ISO 3744: 2010 Acoustics – Determination of sound power levels and sound energy levels of noise sources using sound pressure – Engineering method for an essentially free field over a reflecting plane
ISO 3746: 2010 Acoustics – Determination of sound power levels and sound energy levels of noise sources using sound pressure – Survey method using an enveloping measurement surface over a reflecting plane
ISO 7779:2010 Acoustics – Measurement of airborne noise emitted by information technology and telecommunications equipment

(q) Sequence of steps for achieving a stable condition with respect to power demand:
Refer to the Test setup section of the IEC 62623

(r) Description of how sleep and/or off mode was selected or programmed:
The display sleep mode set to active within 10 minutes of user inactivity. The system sleep mode shall be set to active within 30 minutes of user inactivity. The sleep and/or off mode was selected or be programmed by operating system power management function. (e.g. MS Windows)

(s) Sequence of events required to reach the mode where the equipment automatically changes to sleep and/or off mode:
The power management function allows the system automatically switching from idle mode to display sleep mode, then system sleep mode will be activated after a period of user inactivity

(t) 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:
The system for a period time no user or network activity (up to 30 minutes)

(u) 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:
The system for a period time no user or network activity (up to 30 minutes)

(v) The length of time before the display sleep mode is set to activate after user inactivity:
The system for a period time no user or network activity (up to 10 minutes)

(w) User information on the energy-saving potential of power management functionality:
You can save money by activating power management features. You can help to reduce usage and other side effects (e.g. Greenhouse Gas and Carbon Reduction). The power management benefit you can also reference: https://www.energystar.gov/products/low

(x) User information on how to enable the power management functionality:
User information is described in user manual of power management

(y) For products with an integrated display containing mercury the total content of mercury as X,X mg: N/A

(z) Test parameters for measurements:
– Test voltage in V and frequency in Hz: 230V AC; 50Hz
– Total harmonics distortion of the electricity supply system: < 0.041%
– Information and documentation on the instrumentation, set-up and circuits used for electrical testing:
EN 50564: Electrical and electronic household and office equipment – Measurement of low power consumption
IEC 62623: Desktop and Notebook Computers – Measurement of Energy Consumption
Generalized Test Protocol for Calculating the Energy Efficiency of Internal AC – DC and DC – DC power supplies reversion 6.6 (For Internal POWER SUPPLY)