Product Energy Comsumption information

Brand	ASUS
Company Name	ASUSTek COMPUTER INC.
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Product Type	Desktop computer	Year of manufacture	2024
Model Name	PN65	Representative model	PN65
Model Family List	PN65		

As required by COMMISSION REGULATION (EU) 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 (ErP Lot3).

Power demand	Requirement	Category A	Category B	Category C	Category D
Idle state power demand (Watts)	--				5.86
Sleep mode power demand (Watts)	< 5.0				1.81
Sleep mode with WOL enabled power demand (Watts) (where enabled)	< 5.7				1.83
Off mode power demand (Watts) (*equal to ACIP S4)	< 1.0				0.56
Off mode with WOL enabled power demand (Watts) (where enabled) (*equal to ACIP S4)(*equal to	< 1.7				N/A
Lowest Power state power demand (Watts) (*equal to ACIP S5) (BIOS ERP Enable)	< 0.5				0.17
E_{TEC} Value (kWh)-dGfx disable (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)					24.03
E_{TEC} Value (kWh)-dGfx enable (capability adjustments applied when all discrete graphics cards (dGfx) are enabled)					N/A
Memory over base (GB)					16
Additional internal storage		(YES/No)	(YES/No)	(YES/No)	No
Discrete television tuner		(YES/No)	(YES/No)	(YES/No)	No
Discrete Audio Card		(YES/No)	(YES/No)	(YES/No)	No
Discrete graphics card(s) number					N/A
Discrete graphics card(s) cat.(G1-G7)					N/A
$E_{TEC(MAX)}$ (kWh)					162.0

Power Supply Information	☐ Internal Power supply	☑ External Power supply		
Model name	Nameplate rating (W)	Average efficiency (%)	Requirement (%)	Note
ADP-120VH D	120	90.11	88.0	

Information disclosure		
Noise levels (the declared A-weighted sound power level) of the computer (A-weighted)(dB)	28.36	dB
The minimum number of loading cycles that the batteries can withstand (applies only to notebook computers)	N/A (without battery pack)	Cycles

Measurement methodology used to determine information mentioned in point (e)-(k) – maximum, idle, sleep, off mode power	EN 62623:2013-Desktop and notebook computers — Measurement of energy consumption EN50564:2011 Electrical and electronic household and office equipment - Measurement of low power consumption
Measurement methodology used to determine information mentioned in points (l) – internal PSU efficiency	N/A, product support by external power supply
Measurement methodology used to determine information mentioned in points (m) – external PSU 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 used to determine information mentioned in points (n) – noise level	ECMA-109 2nd edition (December 1987) Declared Noise Emission Values of Computer and Business Equipment
Measurement methodology used to determine information mentioned in points (o) – loading cycles batteries	EN 61960:2011 Secondary cells and batteries containing alkaline or other non-acid electrolytes — Secondary lithium cells and batteries for portable applications
sequence of steps for achieving a stable condition with respect to power demand	EN 62623:2013-Desktop and notebook computers — Measurement of energy consumption EN50564:2011 Electrical and electronic household and office equipment - Measurement of low power consumption
description of how sleep and/or off mode was selected or programmed	refer to power management
Sequence of events required to reach the mode where the equipment automatically changes to sleep and/or off mode	refer to power management, 30mins automatically reaches sleep mode
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 (shall activate within 30 minutes)	refer to user manual
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	5 mins
the length of time before the display sleep mode is set to activate after user inactivity (shall activate within 10 minutes)	5 mins
user information on the energy-saving potential of power management functionality	refer to user manual
user information on how to enable the power management functionality	refer to user manual
for products with an integrated display containing mercury, the total content of mercury as X,X mg	Not Applicable
test parameters for measurements - test voltage in V and frequency in Hz, - total harmonic distortion of the electricity supply system,	230V/50Hz, Total Harmonic Distortion<2%.
test parameters for measurements - test voltage in V and frequency in Hz, - total harmonic distortion of the electricity supply system, - information and documentation on the instrumentation, set-up and circuits used for electrical testing.	Instrumentation List AC Source : Chroma 6560/ Power Meter : Yokogawa WT310/ Thermometer : MHT-381SD Set up 1. Set AC power source Output: 230V/50Hz to adapter, 2. Adapter plug in the UUT, Place the UUT in off mode 3. Set the meter to begin accumulating true power values at an interval of one readings per second. 4. Accumulate power values for 30 minutes and record the average value (unit under test，UUT)