


Product Energy Consumption information

Brand	ASUS	 IN SEARCH OF INCREDIBLE
Company Name	ASUSTek COMPUTER INC.	
Contact information	greenasus@asus.com	
Website	https://www.asus.com	
Address	15, Li-Te Rd., Peitou, Taipei 112, Taiwan	
Report date	2025/7/22	
Report version	v3.1	

Product Type	BE3600 Dual Band WiFi 7 Router	Year of manufacture	2025
Model Name	RT-BE58U V2	Representative model	RT-BE58U V2
Model Family List	RT-BE58U V2		
Networked equipment type	HiNA equipment		
Network Support	Network port & Wireless network	Networked standby	Wake on Lan & Wifi

ECODESIGN REQUIREMENTS

1. Energy efficiency requirements

Power demand		Requirement	Measured result (W)
Power consumption in off mode (W)		Tier 1 2025/5/9 : < 0.50W Tier 2 2027/5/9 : < 0.30W	0.1
Power consumption in standby mode (W)	The power consumption of equipment in any condition providing only a reactivation function, or providing only a reactivation function and an indication of enabled reactivation function.	< 0.50W	N/A
	The power consumption of equipment in any condition providing only information or status display, or providing only a combination of reactivation function and information or status display, or providing only a reactivation function and an indication of enabled reactivation function and information or status display.	< 0.80W	N/A
	household tumble driers covered by Commission Regulation (EU) No 932/2012.	< 1.00W	N/A
Power consumption in networked standby (W)	The power consumption of networked equipment, other than HiNA equipment or equipment with HiNA functionality.	< 2.00W	N/A
	The power consumption of HiNA equipment or equipment with HiNA functionality.	Tier 1 2025/5/9 : < 8.00W Tier 2 2027/5/9 : < 7.00W	Wi-Fi(2.4G): 4.4 Wi-Fi(5G): 4.0 LAN Port: 2.7 WAN Port: 2.9

Power Supply Information	<input type="checkbox"/> Internal Power supply	<input checked="" type="checkbox"/> External Power supply	
Model name	Nameplate rating (W)	Average efficiency (%)	Requirement (%)
KA2401A-1202000EU	24	87.88	86.2
KA2401A-1202000BS	24	87.88	86.2
KA2401A-1202000DE	24	87.88	86.2

2. Functional requirements:

Requirement	Information
Information on the energy-saving potential of power management functionality for all equipment other than networked equipment. *default time needed for the equipment to reach the applicable low power mode or condition in minutes and rounded to the nearest minute.	N/A
Information on the energy-saving potential of power management functionality for networked equipment. (*automatically into networked standby shall not exceed 20 mins)	Network Standby Mode Default Time Upon Shipment 20 mins
Possibility of deactivating wireless network connections.	Refer to user manual

3. Information requirements

Requirement	Information
The measurement method used	EN 50564:2011 Electrical and electronic household and office equipment - Measurement of low power consumption
User information on the energy-saving potential of power management functionality (how to set up to standby mode, off mode, network standby mode) * instruction manuals for end-users in the form of a link to this information in the free access websites of manufacturers, importers or authorised representatives.	Refer to user manual
The sequence of events leading to the condition where the equipment automatically changes mode	Refer to user manual
Guidance on how to activate and deactivate wireless network ports.	Refer to user manual
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 - information and documentation on the instrumentation, set-up and circuits used for electrical testing.	<p>Instrumentation List AC Source : Chroma 61604 Power Meter : Chroma 66205 Thermometer : ISUZU TH-27R</p> <p>EN 50564:2011 Electrical and electronic household and office equipment - Measurement of low power consumption.</p> <ol style="list-style-type: none"> 1. Set AC power source Output: 230V/50Hz to adapter or PSU, 2. Adapter plug in the UUT, Place the UUT in testing mode. 3. Set the meter to begin accumulating true power values at an interval of one readings per second. 4. Accumulate power values and record the average value. 5. Record data in test format. <p>(UUT: Unit Under test) (PSU: Power Supply Unit)</p>