


Product model number	SDS-ONE APEX4
Year of manufacture	2021
Product type and category	Desktop computer, Category D
Manufacturer's name and address	SHIMA SEIKI MFG.,LTD. 85 Sakata Wakayama Japan

Test parameters for measurements

Setup and circuits used for electrical testing	 <p>Factory standard configuration (Design system main unit, Monitor, Keyboard, Mouse, Tablet and Subkeyboard.)</p>
Test parameters for measurements	Computer energy consumption is tested at 230 Volts / 50 Hz.
Maximum THD (%)	0.47
Ambient Temperature (degC)	22 - 27
Relative Humidity (%)	41 - 70
Air Flow (m/s)	0.23 (max)
Measurement methodology	IEC62623-2013 Warm-up for more than 30 min before measurement.
How to enter off mode and/or sleep mode	Select Sleep or Shutdown from start menu.

COMMISSION REGULATION(EU) No 617/2013 of 26 June 2013

	VGA card	BASIC(Onboard Graphics)	Standard Graphics(P620)		Hyper Graphics(P5000) Hyper Graphics(RTX5000)	
	Monitor	EV2430	CS2420(CS2400S)	CS2730(CS2731)	CS2420(CS2400S)	CS2730(CS2731)
Idle state power demand (W)		32.5018500	36.5593330	36.8365000	42.0594833 47.7400000	43.0470000 48.8500000
Sleep mode with WOL enabled power demand (W)		1.5019900	1.4946233	1.5036017	1.4927983 1.5590000	1.4925333 1.5670000
Sleep mode power demand (W)		1.4980867	1.4912767	1.5047517	1.4968883 1.5595000	1.4935683 1.5670000
Off mode with WOL enabled power demand (W)		1.1753517	1.1757100	1.1746483	1.1732517 1.1857830	1.1741400 1.1857660
Off mode power demand (W)		1.1724317	1.1761650	1.1763750	1.1768533 1.1857820	1.1753850 1.1857650
E _{TEC} (kWh/year)		(8760/1000) * (0.55*P _{OFF} + 0.05*P _{SLEEP} + 0.40*P _{IDLE})				
	WOL enabled	120.207	134.423	135.393	153.683 173.780	157.147 173.780
	WOL disabled	120.191	134.424	135.402	153.702 173.780	157.154 173.780

User information

Power Management energy-saving potential	You can help reduce electricity usage and its side effects by leaving the power-management features enabled and by turning off your product when it is not in use for extended periods of time.
Power management functionality	Select Sleep or Shutdown from start menu.

Internal Power supply efficiency

Efficiency, 230V/60Hz			Power Factor @100% Load
20% Load	50% Load	100% Load	
86.48%	85.71%	85.23%	0.98

Noise levels (the declared A-weighted sound power level)

VGA card	BASIC(Onboard Graphics)	Standard Graphics(P620)	Hyper Graphics(P5000) Hyper Graphics(RTX5000)
Test parameters for measurements	Computer energy consumption is tested at 230 Volts / 50 Hz.		
Measurement methodology	ISO7779(2010)		
Ambient Temperature (degC)	25		
Relative Humidity (%)	51		
Test condition	High load test program to CPU and graphics.		
A-weighted sound power level (dB)	43.6	42.1	45.8 48.1