


Product model number	SDS-ONE APEX3-4
Year of manufacture	2017
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

VGA card	Standard	Hyper Simulation option
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	0.18%	
Ambient Temperature	21-24 degC	
Relative Humidity	45-65 %	
Air Flow	0.15 m/s (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.	

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VGA card	Standard	Hyper Simulation option	
Idle state power demand (W)	34.596895	40.3971667	
Sleep mode with WOL enabled power demand (W)	2.0039683	2.01648	
Sleep mode power demand (W)	1.93422	1.9256933	
Off mode with WOL enabled power demand (W)	1.3485017	1.2548167	
Off mode power demand (W)	1.2548167	1.2496533	
E _{TEC} (kWh/year)	(8760/1000) * (0.55*P _{OFF} + 0.05*P _{SLEEP} + 0.40*P _{IDLE})		
	WOL enabled	128.60	148.48
	WOL disabled	128.12	148.42

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
10% Load	20% Load	50% Load	100% Load	
81.29%	83.81%	87.61%	85.19%	0.98

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

VGA card	Standard	Hyper Simulation option
Test parameters for measurements	Computer energy consumption is tested at 230 Volts / 50 Hz.	
Measurement methodology	ISO7779(2010)	
Ambient Temperature	23 degC	
Relative Humidity	53%	
Test condition	File copy from DVD to HDD by Test Program.	
A-weighted sound power level	49.0 dB	41.5 dB