[D51B-1U]

QCT
Product Safety, EMC and Environmental Data Sheet

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1. Product Type Information

Marketing Name……D51B-1U

Regulatory Model…….D51B-1U

Regulatory Type……Computer Server

Effective Date……May 07, 2015

EMC Emission Class……A

2. Statement of Compliance

This product has been determined to be compliant with the applicable standards, regulations, and directives for the countries where the product is marketed. The product is affixed with regulatory marking and text as necessary for the country/agency.

For Product Safety and EMC compliance, this product has been assigned a unique regulatory model and regulatory type that is imprinted on the product labeling to provide traceability to the regulatory approvals noted on this datasheet. This datasheet applies to any product that utilizes the assigned regulatory model and type including marketing names other than those listed on this datasheet. ErP compliance is tied to the CE mark.

Compliance documentation, such as certification or Declaration of Compliance for the product is available upon request to our regional sales. Please include product identifiers such as marketing name, regulatory module, regulatory type and country that compliance information is needed in request.

3. ErP Lot 3 Product (Energy Consumption) Information

3.1. Internal Power Supply Efficiency

The ErP Lot 3 Standard includes requirements for certain product specific information to be provided by the manufacturer. This is applicable to Desktops, Integrated Desktops, Notebooks, Tablets, Slates, Notebook Thin Clients, Desktop Thin Clients, Workstations, Mobile Workstations, Computer Servers, and Small Scale Servers.

ErP Lot 3 provides certain exclusions based upon product type, screen size, and/or the amount of power consumed in idle mode. Product energy and acoustic information might be reported for products that are out of scope of ErP Lot 3 for informational purposes only.

*__Energy Consumption__ results are based solely upon the laboratory testing of the __System Configuration__ listed above. Energy consumption is tested at 230 Volts / 50 Hz.

Energy Consumption*

Energy efficiency benefits the environment and lowers the total cost of equipment ownership by reducing power consumption. QCT offers energy calculators that help estimate power needs, potential emissions avoidance and potential cost savings.

- This document is informational only and reflects laboratory performance. Your product may perform differently, depending on the software, components and peripherals you ordered. Accordingly, the customer should not rely upon this information in making decisions about electrical tolerances or otherwise. No warranty as to accuracy or completeness is expressed or implied.

Internal Power Supplies

Computer servers all single output (AC-DC) power supplies with rated output of Gold 470W

Power Supply Model #	10% Load	20% Load		50% Load		100% Load	
	Efficiency	Efficiency	Power Factor	Efficiency	Power Factor	Efficiency	Power Factor
PS-2471-1Q3-LF	80.02%	88.23%	0.89	92.26%	0.96	92.18%	0.98

Computer servers all single output (AC-DC) power supplies with rated output of Gold 750W

Power Supply Model #	10% Load	20% Load		50% Load		100% Load	
	Efficiency	Efficiency	Power Factor	Efficiency	Power Factor	Efficiency	Power Factor
PS-2751-5Q4-LF	84.21%	89.13%	0.91	92.51%	0.97	91.46%	0.99

Computer servers all single output (AC-DC) power supplies with rated output of Platinum 500W

Power Supply Model #	10% Load	20% Load		50% Load		100% Load	
	Efficiency	Efficiency	Power Factor	Efficiency	Power Factor	Efficiency	Power Factor
DPS-500AB-14 A	86.67%	92.13%	0.979	94.31%	0.996	92.71%	0.999
PS-2551-7Q-LF	86.97%	91.27%	0.963	94.32%	0.993	92.92%	0.999

Computer servers all single output (AC-DC) power supplies with rated output of Platinum 800W

Power Supply Model #	10% Load	20% Load		50% Load		100% Load	
	Efficiency	Efficiency	Power Factor	Efficiency	Power Factor	Efficiency	Power Factor
DPS-750AB-30 A	85.50%	92.76%	0.951	94.39%	0.995	92.11%	0.999

3.2. Maximum/Idle State Power

State/Mode	Power Demand (Watts)
Maximum	419.53W
Idle State	152.63W

3.3. Noise Emission

Declared Noise Emissions in accordance with ISO 9296 (tested in accordance with ISO 7779)

Declared A-weighted sound power level of the Server	6.4 B(A)

About QCT

QCT (Quanta Cloud Technology) is a global datacenter solution provider extending the power of hyperscale datacenter design in standard and open SKUs to all datacenter customers.

Product lines include servers, storage, network switches, integrated rack systems and cloud solutions, all delivering hyperscale efficiency, scalability, reliability, manageability, serviceability and optimized performance for each workload.

QCT offers a full spectrum of datacenter products and services from engineering, integration and optimization to global supply chain support, all under one roof.

The parent of QCT is Quanta Computer Inc., a Fortune Global 500 technology engineering and manufacturing company.

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