PARECER TÉCNICO DO RECURSO APRESENTADO PELA EMPRESA AGM

REFERENTE A CARTA CONVITE SESI/SENAI-DR/SE Nº 14/2022

Em análise ao recurso interposto pela empresa AGM Tecnologia, alegando que 02 (dois) itens do termo de referência do disco SSD (Consumo de energia e temperatura de operação), não tiveram a sua especificação comprovada, pela empresa Ivanete Barbosa de Santana ME, detalhamos as seguintes conclusões:

Subitem 8. O consumo de energia deve ser em média de 0,5W

Conforme vasta documentação técnica, referente as Unidades de armazenamento do tipo SSDs, fica claro que esses dispositivos usam uma potência watt muito inferior à dos HDDs. Na verdade, um SSD consome **menos de 2W na carga máxima** contra 6W num disco rígido, no modo de gravação de dados. Em carga no modo de standby (modo de espera), onde o dispositivo não está em processo de leitura e nem gravação, os SSDs **consomem menos de 0,5w**, em média, atendendo assim, as especificações do edital.

Um SSD aumenta então a vida útil da bateria (um fator importante nos computadores portáteis), diminui a carga de energia no sistema e, assim, traz muito menos calor à temperatura interna do computador (o que é importante para o tempo de vida do computador).

Prospecto detalhado da marca e modelo cotado pela empresa Ivanete Barbosa de Santana ME em anexo e complemento no endereço https://s3plus.com/s3-ssd-sata/?lang=en

Subitem 9. Temperatura de operação: 0º C a 70º

Esse item é facilmente comprovado através dos prospectos levantados no site do fabricante do item cotado pela empresa Ivanete Barbosa de Santana ME. Segue em anexo o referido prospecto.

Aracaju, 3 de junho de 2022.

Fabrizio de Farias Fernandes
Suporte de TI
GCTI

Márcio Giovanni Oliveira de Souza
Gerente de TI
GCTI

S3SSDCXXX

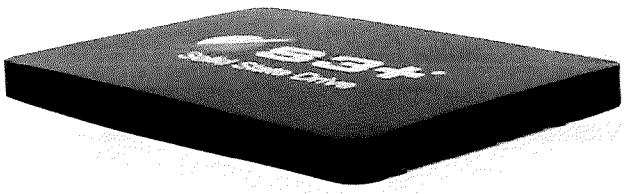
S3+ SSD 2,5" SATA III

SSDs have now become a common data carrier in PCs and notebooks. Models with SATA III interface were born to replace hard drives. The SATA III standard supports a theoretical maximum speed of 6Gb/s (Giga Bits per second). SSDs with a SATA interface are on the market in two different form factors. The 2.5" format is that of classic SATA III SSDs and requires a connection via SATA power cable to the power supply and a connection via SATA III cable to the motherboard. The M.2 format is newer and much more compact; devices of this format are normally installed directly on the motherboard and do not require cables.

S3+® SSDs offer excellent storage for any application, from spreadsheets to word processing and content management. The models in 2.5" format with SATA interface are suitable for both desktop and notebook PCs, and allow for an extraordinary improvement in the performance of the systems in which they are installed, extending their life.

PERFORMANCE

SATA SSDs offer four times faster performance than traditional hard drives (HDDs). Adding a SATA SSD to your computer is one of the simplest and cheapest ways to get all the speed of a new computer without having to buy it. With SSDs reaching read and write speeds of over 500MB/s, loading screens will be a thing of the past.



ENERGY EFFICIENCY

SSDs use significantly less Watt power than HDDs. In fact, an SSD consumes, at the moment of peak load, less than 2W against the 6W of a hard disk. An SSD therefore extends the battery life (an important factor in laptops), decreases the energy load on the system, and therefore brings much less heat to the internal temperature of the computer (an important factor for the life span of your computer).

RELIABILITY

SSDs resist better to collisions because they don't have moving parts. SSDs are much less likely than HDDs to lose data in the event of a crash. An HDD, on the other hand, could easily lose data, especially if the computer is dropped while it is turned on and the various parts of the disk are in motion.

Technical features

Read/Write Speed

Capacity	Data transfer rate (R/W): MB/s up to			
	Sequential reading	Sequential writing	4K Q32T1 Read	4K Q32T1 Write
30/32GB	300	160	70	160
60/64GB	550	300	130	200
120/128GB	550	500	220	210
240/256GB	550	500	220	210
480/512GB	550	500	230	210
960GB/1TB	550	500	260	270
1920GB/2TB	550	500	260	270

Technical features

Interface	SATA III 6 Gb/s
Capacity	120GB/128GB/240GB/256GB/480GB/512GB/960GB/1TB/2TB
NAND	TLC
Cache	Not present
Input voltage	5V±5%
Operating temperature	From 0°C (32°F) to 70°C (158°F)
MTBF	>1.000.000 hours
Shock resistance (operational)	1500G
Vibration resistance (operational)	16G
Dimensions	100 x 70 x 7 mm
Weight	50 gr
Certifications	RoHS – CE - FCC