

High performance and capacity in a small-form-factor drive.

2.5-Inch, SAS

10K SFF Enterprise Hard Disk Drives

MAV2036RC • MAV2073RC

State-of-the-art hard drives for your most demanding enterprise applications.

- ▶ 2.5-inch Enterprise Hard Disk Drives offer 10K RPM spindle speed and feature storage capacities up to 73GB
- ▶ Mean-time-between-failure (MTBF) of 1,400,000 power-on hours
- ▶ The industry's first 2.5-inch small-form-factor serial-attached SCSI (SAS) interface
- ▶ Native Command Queuing, providing faster execution of operation commands
- ▶ Uses smaller connectors and cables than U320, a benefit acknowledged by the SCSI Trade Association (STA)



FUJITSU

THE POSSIBILITIES ARE INFINITE

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With more than thirty-five years of experience in magneto-resistive head technology, Fujitsu can offer state-of-the-art hard drives for your most demanding enterprise applications. Case in point: Our top-of-the-line 2.5-inch SAS enterprise drives.

Their availability makes Fujitsu the first to bring small-form-factor SAS drives to the enterprise market, reflecting a determination and confidence in the new technology we have championed.

As a point-to-point connection, Fujitsu SAS drives help enterprises keep costs lower and maintain flexibility. The 2.5-inch hard disk drives offer up to 73.5GB of storage and 10K RPM — a perfect combination for high-end, mission-critical applications residing on database servers, storage arrays, and NAS and SAN systems.

With the 2.5-inch form-factor, a greater number of SAS drives can be installed in the space previously occupied by conventional 3.5-inch enterprise hard disk drives, resulting in improved input-output (IO) performance. Additionally, lower power consumption helps systems maintain reduced heat levels. The drives are also hot pluggable, so they can be inserted or removed without harming the data or the system while the entire system is still powered on.

The 3Gb SAS interface of the Fujitsu hard disk drives allows customers to take advantage of the increased performance associated with serial attached SCSI, while at the same time providing lower heat dissipation and lower acoustics.

If you have enterprise storage needs, Fujitsu can deliver.

About Fujitsu Computer Products of America, Inc.

Fujitsu Computer Products of America, Inc. is a subsidiary of Fujitsu Limited, a leading provider of customer-focused IT and communications solutions for the global marketplace. FCPA provides innovative solutions for the U.S. marketplace. Current product and service offerings include high performance hard disk drives, magneto-optical drives, scanners, and scanner maintenance.



2.5-Inch, SAS 10K RPM Series Hard Disk Drive Specifications		
Description	MAV2036RC	MAV2073RC
Functional Specifications		
Storage capacity (formatted)	36.7GB	73.5GB
Disks	1	2
Heads (read/write)	2	4
Bytes/sector	512	
Seek time	Track to track	Read: 0.2 ms (typ) / Write: 0.4 ms (typ)
	Average	Read: 4.0 ms (typ) / Write: 4.5 ms (typ)
	Full stroke	Read: 8.0 ms (typ) / Write: 9.0 ms (typ)
Average latency	2.99 ms	
Rotational speed (RPM)	10,025 rpm	
Areal density	70.2 Gbits/sq. in. (max.)	
Data transfer rate	3Gbps	
Recording code	32/34 MEEPRML	
Interface	SAS	
Head positioning method	Rotary VCM	
Start time	15 s (typ)	
Stop time	15 s (typ)	
Buffer size	8 MB	
Physical Specifications		
Power requirements	Voltage	5 V ± 5%, 12 V ± 5%
	Spin-up	12 V ± 5% @ 1.5 A (peak)
	Idle (typ)	5 V ± 5% @ 1.2 A (peak)
		4.5 W
Dimensions (HxWxD)	15.0 mm x 69.85 mm x 100.45 mm	
Weight	220 g	
Ambient temperature	Operating	5°C to 55°C (DE base 60°C max)
	Non-operating	-40°C to 70°C
	Gradient	15°C/H Max
Relative humidity	Operating	5% to 95% (non-condensing)
	Non-operating	5% to 95% (non-condensing)
	Max. wet bulb	29°C (operating)
Vibration	Operating	0.6 mm (5 to 20 Hz) / 1.0 G (20 to 300 Hz)
	Non-operating	3.1 mm (5 to 20 Hz) / 5.0 G (20 to 300 Hz)
Shock	Operating	100 G max. (1 ms)
	Non-operating	400 G max. (1 ms)
Altitude	Operating	3,000 m (max.)
	Non-operating	12,000 m (max.)
Acoustic Noise (idle sound power) (typ)	>= 2.9 bels (ready)	
Reliability Specifications		
Mean time between failures (MTBF)	1,400,000 POH	
Component life	5 years POH	
Error rates	Seek errors	10 per 10 ⁹ seeks
	Unrecoverable errors	1 per 10 ¹⁵ bits read
Limited Warranty	5 years (from date of purchase) / No Excuses End User Replacement Program available to certain purchasers. Visit online at www.fcpa.fujitsu.com/warranties/ or call toll free at (800) 626-4686, for full Limited Warranty details and restrictions.	

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