

Whisper-quiet performance, high capacities and rugged reliability for mobile applications.

MHT-AT Series

4,200 RPM, Ultra ATA/100 2.5-Inch Mobile Drives

Breakthrough technologies combine high performance, capacity and durability with low noise emissions and power consumption.

- ▶ High areal density enables capacity points of 20GB, 30GB, 40GB, 60GB, and 80GB in a low-profile, 9.5-mm form factor
- ▶ Rugged construction delivers high shock tolerance (900G, 1 ms, non-operating; 225G, 2 ms operating) for lasting performance
- ▶ Intelligent seek profile and Fluid Dynamic Bearing Motors dramatically reduce acoustic noise
- ▶ Fast Ultra ATA/100 interface and 4,200 RPM spindle speed
- ▶ Intelligent power management technology reduces power consumption to as little as 0.1 Watt in sleep mode



FUJITSU

THE POSSIBILITIES ARE INFINITE

MHT-AT Series 4,200 RPM, Ultra ATA/100 2.5-Inch Mobile Drives

Quietly satisfying the requirements of life at home and on the road.

With significant advancements in head and media technology, ruggedness and power conservation, Fujitsu MHT-AT Series Mobile Drives are ideally suited to mobile applications. What's more, noise-reducing technologies, such as intelligent seek profiles and Fluid Dynamic Bearing (FDB) Spindle Motors, benefit consumer electronics applications as well. FDB Spindle Motors and a ramp — head load/unload feature also increase shock tolerance for improved reliability. So, the MHT-AT Series addresses the needs of a wide range of applications.

Big on the inside, small on the outside.

Mobile and consumer electronic devices demand a blend of high performance, capacity and compactness. High areal densities up to 69.3 GB/sq. in., combined with Spin Valve GMR heads, Synthetic Ferri-magnetic and GDT media, and a 4,200-RPM spindle speed enable MHT-AT Series drives to deliver outstanding performance and high capacity in a low-profile, 9.5-mm form factor. Available in 20GB, 30GB, 40GB, 60GB and 80GB capacities, they provide ample data storage for multimedia presentations, digital audio and video, and graphics.

About Fujitsu Computer Products of America, Inc.

Fujitsu Computer Products of America, Inc. is a wholly owned 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.

MHT-AT 4200 RPM Series Disk Drive Specifications

Model	MHT2020AT	MHT2030AT	MHT2040AT	MHT2060AT	MHT2080AT
Storage capacity (formatted)	20.0 GB	30.0 GB	40.0 GB	60.0 GB	80.0 GB
Bytes/sector	512				
Seek time	Track to Track	1.5 ms typ.			
	Average	12 ms typ.			
	Maximum	22 ms typ.			
Average latency	7.14 ms				
Rotational speed	4,200 RPM				
Data transfer to/from host	Up to 100 MB/s				
Interface	Ultra ATA/100 (ATA-6)				
Buffer size	2 MB		2MB / 8MB		8 MB
Power requirements	Voltage	5 V± 5%			
	Spin-up	0.90 A max			
	Operating (Read/Write)	2.0 W / 2.1 W typ.			
	Idle	0.65 W typ.			
	Standby	0.25 W typ.			
	Sleep	0.10W typ.			
Dimensions	Height	9.5 mm (0.37 in.)			
	Width	70 mm (2.8 in.)			
	Depth	100 mm (3.9 in.)			
Weight	99 g (3.49 oz.) or less				
Ambient temperature	Operating	5° C to 55° C (41° F to 131° F)			
	Non-operating	-40° C to 65° C (-40° F to 149° F)			
	Gradient	20° C (68° F) / H or less			
Relative humidity	Operating	8% to 90% RH (non-condensing)			
	Non-operating	5% to 95% RH (non-condensing)			
	Max wet bulb	29°C (Op.) / 40°C (Non Op.)			
Vibration	Operating	9.8 m/s ² (1.0 G) (5 to 500 Hz)			
	Non-operating	49m/s ² (5.0 G) (5 to 500 Hz)			
Shock	Operating	2,205 m/s ² (225 G) 2ms			
	Non-operating	8,820 m/s ² (900 G) 1ms; 1,176 m/s ² (120 G) 11ms			
Altitude	Operating	-300 to 3,000 m (-1,000 to 10,000 ft.)			
	Non-operating	-300 to 12,000m (-1,000 to 40,000 ft.)			
Acoustic noise	HDD Ready	24 dBA at 30 cm (typical), 2.3 bels (typical)			
	Random Seek	28 dBA at 30 cm (typical), 2.7 bels (typical)			
Limited Warranty	3 years (from date of purchase). Visit online at www.fcpa.fujitsu.com/warranties/ or call toll free at (800) 626-4686, option 2, for full Limited Warranty details and restrictions.				

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