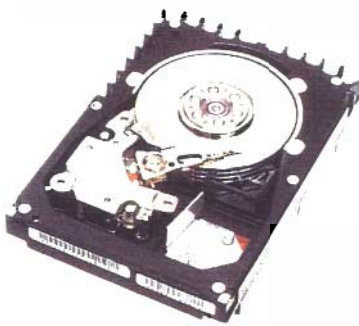


## Hardware



### Fujitsu MAS3735NP SCSI 73GB



#### MAS3735NP SCSI 73GB

\$718 (online price)

Fujitsu

(800) 626-4686

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[www.fcpa.com](http://www.fcpa.com)

CPU Rating: 4.5 (out of possible 5)



Fujitsu's MAS series of SCSI drives breathes the rare air of the 15,000rpm spindle speed summit. Seagate is typically the king of this hill with its Cheetah series, such as the Cheetah 15K.3 73GB. Be that as it may, Fujitsu's MAS3735NP knocks this kitty down a peg, if not completely off the mountain.

Our 68-pin MAS3735NP is a 73.5GB drive with an 8MB cache buffer. Like most hyperspeed SCSI drives, this one uses smaller diameter platters than typical 3.5-inch EIDE drives. The MAS3735NP uses four 2.75-inch platters with areal densities of 33.1Gb per square inch, meaning they're small but dense. With smaller disks to read, the Fujitsu's heads don't have very far to travel. Add this to the breakneck 15,000rpm spindle speed, and you get very quick random access times, along the lines of 5.4ms in our tests.

Keeping the hot-blooded MAS3735NP cool and suspended above the work surface, we ran a few tests using a system with a 2.67GHz 533MHz FSB P4, an Intel D845GEBV2 mainboard, 384MB of PC2700 DDR, an Adaptec 19160 Ultra/160 SCSI card, and WinXP Pro SP1.

WinBench99 reported the Fujitsu's Business Disk score as 12,000KBps, which edged out the Cheetah 15K.3 by about 1.5MBps. However, the Fujitsu opened up a can of whoop-rump with a 38,500KBps High-End Disk result, about a third faster than the Seagate's score, which admittedly was taken from an older system.

HD Tach 2.61 said the Fujitsu peaked at 67.3MBps average reads (70.7MBps maximum) and 44.9MBps average writes (57.8MBps maximum). These scores are close enough to the Cheetah's to tickle its whiskers. I'm suspect of a max read rate so close to the average, but then there's less circumferential difference between middle and outer tracks than there would be in larger platters.

by Marty Sems