
Subject: OT: Does anybody here use serial ATA?
Posted by [Paragon](#) on Wed, 13 Aug 2003 08:22:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

I'm just curious because I have yet to run across someone who actually uses it, and I was wondering about the performance gains/losses over typical IDE devices. I've looked but I haven't really found any really good reviews up at this time.

Subject: OT: Does anybody here use serial ATA?
Posted by [General Havoc](#) on Wed, 13 Aug 2003 11:13:25 GMT

[View Forum Message](#) <> [Reply to Message](#)

Yeah Serial ATA (SATA) is very fast compared to standard IDE devices. I don't use it but nearly all new motherboards support it now as a future technology. SATA drives are only coming around now but they cost quite a lot but I expect they will come down in price as more companies take up the technology. I think it will replace standard IDE in the future as it has been the same for ages and you need to have a RAID drive system or a fast SCSI drive system to have high transfer speeds at the moment and these cost loads for the drives and are only used in servers really where as SATA is aimed at home users.

Subject: OT: Does anybody here use serial ATA?
Posted by [Shaun_Dark_Lord](#) on Wed, 13 Aug 2003 11:21:56 GMT

[View Forum Message](#) <> [Reply to Message](#)

Yup - Got two Maxtor SATA150 drives in RAID0 on my main system.

Subject: OT: Does anybody here use serial ATA?
Posted by [Bearxor](#) on Wed, 13 Aug 2003 12:52:53 GMT

[View Forum Message](#) <> [Reply to Message](#)

I don't really believe SATA drives are completely faster (unless you have those 10k rpm drives maybe). I believe the performance edge that they deliver right now is less about transfer rate and more about CPU usage. We're simply in a transition period right now, and probably will be for the next year or so.

Having said that, my next HD will be a SATA, mainly for the benefits of the thinner cable

Subject: OT: Does anybody here use serial ATA?
Posted by [Shaun_Dark_Lord](#) on Wed, 13 Aug 2003 13:45:26 GMT

[View Forum Message](#) <> [Reply to Message](#)

Ya - Does tidy things up a bit;

As for performance - It is certainly faster than my old ATA-133 RAID0 setup, but the 8MB of cache on these new SATA drives may be helping somewhat

Subject: OT: Does anybody here use serial ATA?
Posted by [snipesimo](#) on Wed, 13 Aug 2003 15:26:45 GMT
[View Forum Message](#) <> [Reply to Message](#)

the 133-150 jump isn't too big, but it is un-deniably faster. I3fty just got a SATA raid set up on his comp with two 120GB drives.

Subject: OT: Does anybody here use serial ATA?
Posted by [Olaf van der Spek](#) on Wed, 13 Aug 2003 18:17:52 GMT
[View Forum Message](#) <> [Reply to Message](#)

I didn't use SATA in my new PC because the SIS 748 chipset doesn't include SATA support. SATA is not faster than PATA either.

New chipsets do include SATA support so my next PC will probably have it (if the HDDs are as cheap as PATA models).

Subject: OT: Does anybody here use serial ATA?
Posted by [snipesimo](#) on Wed, 13 Aug 2003 20:42:36 GMT
[View Forum Message](#) <> [Reply to Message](#)

don't talk about what you know nothing about, SATA is faster than PATA :rolleyes:

Subject: OT: Does anybody here use serial ATA?
Posted by [Olaf van der Spek](#) on Wed, 13 Aug 2003 20:56:38 GMT
[View Forum Message](#) <> [Reply to Message](#)

Where did I say I knew nothing about SATA?

Subject: OT: Does anybody here use serial ATA?
Posted by [Aircraftkiller](#) on Wed, 13 Aug 2003 20:59:49 GMT
[View Forum Message](#) <> [Reply to Message](#)

snipesimodon't talk about what you know nothing about, SATA is faster than PATA :rolleyes:

You don't even know who Olaf is, do you? The guy is a fucking genius compared to you.

Subject: OT: Does anybody here use serial ATA?

Posted by [General Havoc](#) on Wed, 13 Aug 2003 21:17:15 GMT

[View Forum Message](#) <> [Reply to Message](#)

SATA (Serial Advanced Technology Attachment) is faster than PATA (Parallel Advanced Technology Attachment). The current system in use now is PATA with the wider 40 pin connectors. With PATA 133 (akak ATA 133) the speed is up to 133 MBps STR (Sustained Transfer Rate).

SATA is the next generation of drives using the small 7 pin cable and the 15 power connector. Currently as the technology is new the maximum STR is around 150 MBps but it is likely to go up over time as the technology evolves (600 MBps in the next few years). Also SATA drives are hot swappable so you can unplug them as they were a USB device.

I know this stuff from building the systems. The info above is what I know from working with them. The SATA drives i've used are 150 MBps STR so i normall install ATA 133 drives because there cheaper at the moment and there is not much performance differencat the moment.

Subject: OT: Does anybody here use serial ATA?

Posted by [maytridy](#) on Wed, 13 Aug 2003 21:18:32 GMT

[View Forum Message](#) <> [Reply to Message](#)

lol

He's the man! He made the XCC mixer, right?

Subject: OT: Does anybody here use serial ATA?

Posted by [Olaf van der Spek](#) on Wed, 13 Aug 2003 21:20:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

General HavocSATA (Serial Advanced Technology Attachment) is faster than PATA (Parallel Advanced Technology Attachment). The current system in use now is PATA with the wider 40 pin connectors. With PATA 133 (akak ATA 133) the speed is up to 133 MBps STR (Sustained Transfer Rate).

SATA is the next generation of drives using the small 7 pin cable and the 15 power connector. Currently as the technology is new the maximum STR is around 150 MBps but it is likely to go up over time as the technology evolves (600 MBps in the next few years). Also SATA drives are hot swappable so you can unplug them as they were a USB device.

I know this stuff from building the systems. The info above is what I know from working with them.

The SATA drives i've used are 150 MBps STR so i normall install ATA 133 drives because there cheaper at the moment and there is not much performance differencat the moment.
And do you know any HDDs with STR > 100 mb/s?

Subject: OT: Does anybody here use serial ATA?
Posted by [General Havoc](#) on Wed, 13 Aug 2003 21:21:18 GMT
[View Forum Message](#) <> [Reply to Message](#)

Yeah sorry i'm wrong about the STR, it was just the theoretical STR I was on about. I have't tested them in actual situation, I just build the things so i go by what the people order and what the details say.

Subject: OT: Does anybody here use serial ATA?
Posted by [Halo38](#) on Wed, 13 Aug 2003 21:55:01 GMT
[View Forum Message](#) <> [Reply to Message](#)

General HavocAlso SATA drives are hot swappable so you can unplug them as they were a USB device.

Sweet
