SATA at a Glance

The computer industry will be transitioning from Parallel ATA to Serial ATA (SATA) technology over the next couple of years. SATA brings faster data transfer speeds, better airflow, greater bandwidth, and improved reliability, productivity and scalability. SATA debuts with a data transfer speed of 150Mb per second, and succeeding generations will push the rate to 600Mb per second.

Benefits Include:

Improved wiring

Serial cables and connectors are thinner and smaller

- Maximizes system air flow

Improved reliability

Hot plug

- Greater productivity when reconfiguring a system

Better signal integrity

- Reduced data crosstalk

Point-to-point helps "isolate" failures

- Cyclical Redundancy Checking protects data

Bandwidth

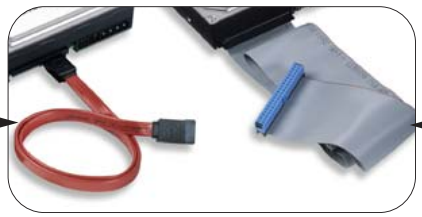
Point-to-point architecture dedicates bandwidth to a device

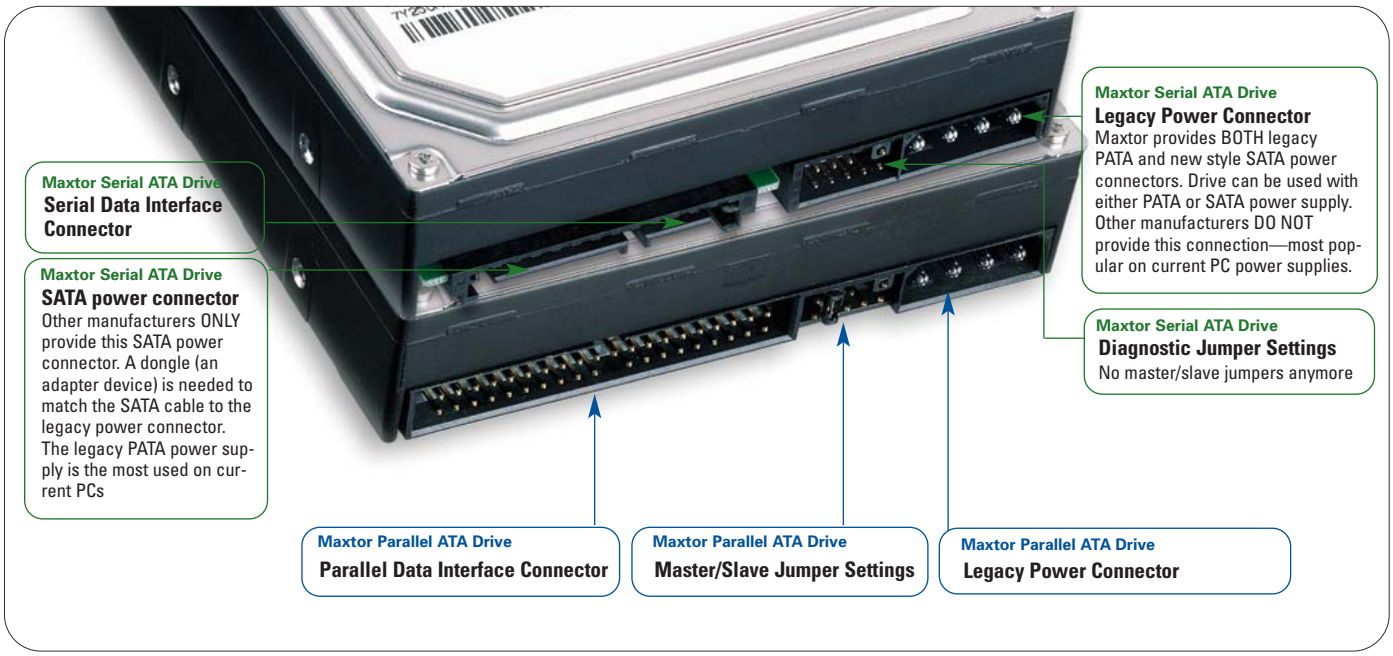
- "Slow" devices do not impact "faster" devices

Scalability

As devices are added, performance is not degraded

SATA vs. PATA Connectors





For more information on SATA drives, go to www.maxtor.com and click on technologies

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