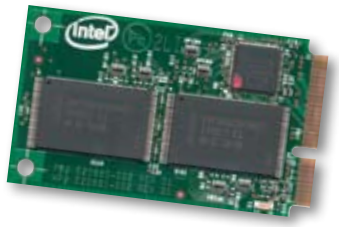
Intel® NAND Flash Memory Solutions: Solid-State Innovation

Intel® X25-E Extreme
SATA Solid-State Drive

Intel® X25-M and X18-M
Mainstream SATA Solid-State Drive



Intel®
Turbo Memory

Intel® Z-P230 PATA
Solid-State Drive

Intel® Z-P140 PATA
Solid-State Drive

Intel® Z-U130 USB
Solid-State Drive

Find out more at www.intel.com/go/SSD

Intel® High-Performance SATA Solid-State Drives

Intel® X25-E Extreme SATA Solid-State Drive

Extreme performance and reliability for servers, storage, and workstations

- Extreme SATA II performance and lower space/power/cooling requirements compared to traditional rotating disk drives provides higher IOPS while significantly reducing the total cost-of-ownership
- Advanced architecture design features native SATA interface, up to 32 command native command queuing and 10 parallel NAND Flash channels equipped with SLC NAND Flash for outstanding reliability and higher IOPS
- Available in 32 GB and 64 GB capacities and 2.5" industry-standard form factors

Intel® X25-M and X18-M Mainstream SATA Solid-State Drives

High-performance storage for notebook and desktop PCs

- Quiet, cool, low-power storage solution provides faster PC system responsiveness while providing a rugged storage solution
- Advanced architecture design features native SATA interface, up to 32 command native command queuing and 10 parallel NAND Flash channels equipped with MLC NAND Flash for outstanding performance and reliability at an affordable cost
- Available in 80 GB and 160 GB capacities and 1.8" and 2.5" industry standard form factors

Intel® Value Solid-State Drives

Intel® Z-P230 PATA Solid-State Drive

Affordable, low-power storage solution for value netbooks and nettops

- Significantly smaller than a 1.8" hard disk drive, with the same industry-standard PATA (IDE) connector. Available in both standard ZIF and mini-card versions
- Solid-state design means no moving parts, providing ruggedness that's perfect for mobile designs—and its low power requirement translates to longer battery life
- Available in 4 GB and 8 GB capacities (16 GB available in Q4'08)

Intel® Z-P140 PATA Solid-State Drive

Ultra-small, low-power storage solution for mobile Internet devices, digital entertainment, and embedded products

- Ultra-small package-on-package BGA solution designed for small mobile devices
- Scalable storage in 2 GB, 4 GB, 8 GB, and16 GB capacities, with standard PATA interface
- Fast performance to boot, load, and store applications with solid-state ruggedness and low power requirements

Intel® Z-U130 USB Solid-State Drive

Low density, affordable storage solution

- Excellent solution for operating system storage, application storage, rapid boot to BIOS extensions, or payload loader
- Standard USB interface in 1 GB, 2 GB, and 4 GB capacities
- Designed for entry desktop and mobile platforms, servers, routers, printers, and other embedded applications

Intel® Caching Solutions

Intel® Turbo Memory with User Pinning

Enhancing system performance through memory innovation

- Caches data for fast access by the processor to speed software load times and boot times, and to improve responsiveness for data-intensive applications
- New "User Pinning" capability enabled by the Intel® Turbo Memory Dashboard interface enables the user to personalize their system application, launch time, and responsiveness
- Optional component for Intel® Centrino® 2 processor technology-based notebooks and Intel®-based desktop PCs with Intel® 4 Series Chipsets

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