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® Z-P140 PAT A Solid-State Drive
Ultra-small, low-power storage solution designed for small mobile devices
- Scalable storage in 2 GB, 4 GB, 8 GB, and 16 GB capacities, with standard PATA interface
- Fast performance to boot, load, and store applications with solid-state ruggedness and low power requirements
- Available in 32 GB and 64 GB capacities and 2.5" industry-standard form factors

Intel® Z-P230 PAT A (IDE) 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 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-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® 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

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® 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® Z-P230 PAT A (IDE) 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 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 PAT A Solid-State Drive
Ultra-small, low-power storage solution designed for small mobile devices
- Scalable storage in 2 GB, 4 GB, 8 GB, and 16 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® 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

Intel® High-Performance SATA Solid-State Drives
- Intel® X25-E Extreme SATA Solid-State Drive
- Intel® X25-M and X18-M Mainstream SATA Solid-State Drives
- Intel® Z-P230 PAT A Solid-State Drive
- Intel® Z-P140 PAT A Solid-State Drive
- Intel® Z-U130 USB Solid-State Drive

Intel® Value Solid-State Drives
- Intel® Z-P230 PAT A Solid-State Drive
- Intel® Z-P140 PAT A Solid-State Drive
- Intel® Z-U130 USB Solid-State Drive

Intel® Caching Solutions
- Intel® Turbo Memory with User Pinning

Intel® High-Performance SATA Solid-State Drives
- Intel® X25-E Extreme SATA Solid-State Drive
- Intel® X25-M and X18-M Mainstream SATA Solid-State Drives
- Intel® Z-P230 PAT A Solid-State Drive
- Intel® Z-P140 PAT A Solid-State Drive
- Intel® Z-U130 USB Solid-State Drive

Intel® Value Solid-State Drives
- Intel® Z-P230 PAT A Solid-State Drive
- Intel® Z-P140 PAT A Solid-State Drive
- Intel® Z-U130 USB Solid-State Drive

Intel® Caching Solutions
- Intel® Turbo Memory with User Pinning

Copyright © 2008 Intel Corporation. All rights reserved. Intel, the Intel logo, and Centrino are trademarks of Intel Corporation in the U.S. and other countries. 0808/SD/HBD/PDF 320132-002US