

# SD37P2

technology overview





## The compelling SD37P2.

### What's Core™ Architecture?

Intel® Core™ architecture will provide enhanced performance and energy-efficiency in mobile and desktop applications while bringing for the first time the benefits of energy-efficient performance to mainstream desktop computing.



### Unleash the SD37P2, and it'll unleash you.

Understated style. Uncompromising power. The all new SD37P2 introduces dual-core Intel® Core™2 Duo processors, a modern PCI Express architecture that supports ATI CrossFire, and support of 8GB DDR2 memory.

#### Intel® Core™2 Duo

Intel® Core™2 Duo processor is the new name for Intel's next-generation energy-efficient processors. Formerly known as "Conroe," the Intel® Core™2 processors for desktop are based on the new Intel® Core™ microarchitecture, Intel's new foundation for all mobile, desktop and server platforms moving forward.

#### Intel® 975X Express Chipset

The Intel® 975X Express Chipset enables Intel's highest performance desktop platforms, with support for the latest Intel® dual-core processors. In addition the Intel 975X Express Chipset enables key performance capabilities such as support for multiple 2x8 graphics cards, Intel® Memory Pipeline Technology (Intel® MPT), and 8GB memory addressability to enable 64-bit computing for the future.

#### More Memory

The XPC SD37P2 features 4 DDR2 memory slots and supports an incredible 8GB of RAM. Up to 4 times the capacity of previous generation XPCs, the XPC SN27P2 is optimized for future high-memory-demand applications such as 64-bit software, high definition video, and games.

#### All New Chassis

All-new for 2006, the Shuttle P2 chassis will be the basis of Shuttle's latest high-performance XPC models. Similar in size to the original P chassis, the P2 features improved cooling and airflow, a redesigned drive cage assembly, and a sleek brushed metal front fascia.

#### More Power.

It's not just a new chassis, but a new power supply as well. The new P2-series include a redesign PSU outputting unbelievable 400 watts with peak outputs of up to 450 watts.



### Where's all the drive bays?

The all new P2 chassis sports hidden drive bays to maintain the ultra sleek and modern look. Poke around, maybe you'll find something new.



\*Monitor and accessories not included.

### In dept with Intel® 975X

- 1066/800 Mhz system bus - *Supports Intel® Pentium® processor Extreme Edition and Intel® Pentium® D processors.*
- Intel® Memory Pipeline Technology - *Enhanced memory pipelining that enables a higher utilization of each memory channel.*
- Intel® High Definition Audio - *Increased audio quality, and multiple audio streaming capability for premium digital sound.*
- PCI Express Architecture - *16 lanes of PCI Express in the Memory Controller Hub (MCH) capable of delivering greater than 3.5 times the performance over the traditional AGP 8X interface, supporting the latest graphics cards for demanding games and applications.*
- ATI's CrossFire™ - *Multiple graphics processing units (GPUs) working together to enable better game play.*
- Dual-channel DDR2 Memory - *Up to 10.7 GB/s of bandwidth and 8GB addressability for faster system response.*

### Inside the new P2

- Small footprint (325 x 210 x 220 mm LWH)
- New drive cage assembly
- Stealth media bays with brushed aluminum finish and strengthened door flaps
- Integrated cable management
- Increased airflow
- Silent X Technology with ICE heat-pipe module, Smart Fan, 400W Silent X PSU



## Technical Specifications

### Form Factor

- Shuttle Form Factor
- Shuttle "P2" Chassis

### Processor

- Intel® Pentium 4, Pentium D, Pentium Extreme Edition, Core 2 Duo, Core 2 Duo Extreme Edition
- 533/800/1066MHz FSB
- Socket LGA775

### Chipset

- North Bridge: Intel® 975X
- South Bridge: ICH7-R

### Memory

- (4) 240 pin DDR2 DIMM slots
- 2GB per DIMM (Max 8GB)
- Dual-channel DDR2 533/667/800 support

### Audio

- AC'97 v2.3 compliant
- Analog 7.1 channel output
- Digital S/PDIF in/out

### Ethernet

- IEEE 802.3u 100Base-T compliant
- 10/100/1000Mb/s
- Support Wake-on LAN function

### Serial ATA

- (4) SATA 3.0Gb/s
- RAID 0/1/5/10 support

### IEEE1394

- 400M/200M/100Mb/s

### Power

- 400W PSU with active PFC
- Input: 100 ~ 240V AC
- EMI Certified: FCC, CE, BSMI, C-tick
- Power plug: region specific

### Material

- Aluminum

### Dimensions

- 325 (L) x 210 (W) x 220 (H)

### Expansion Bays

- (3) 3.5" bays
- (1) 5.25" bay

### Expansion Slot

- (2) PCI Express 8x slots

### Onboard Connectors

- (3) 4-pin fan connectors
- (1) 12V main power connector
- (1) 12V standby power connector
- (1) ATA100 IDE connector
- (3) SATA connector
- (1) Floppy connector
- (2) 1x5 pin USB 2.0 header

### Front Panel

- (2) USB 2.0 ports
- (1) IEEE 1394 port
- (1) Microphone in
- (1) Headphone (85dBA output)
- Power On button
- Reset button
- Power LED
- Hard drive indicator light

### Back Panel

- (2) PCI Express 8x slots
- (6) USB 2.0 ports
- (1) IEEE 1394 port
- (1) eSATA port (external SATA)
- (1) S/PDIF coaxial out
- (1) S/PDIF optical in
- (1) S/PDIF optical out
- (1) Audio out
- (1) Side surround out
- (1) Rear surround out
- (1) Center/Bass out
- (1) Clear CMOS
- (1) Wireless port perforation

### Accessories

- XPC Multi-language user guide
- XPC CD 32-bit drivers
- XPC CD 64-bit drivers
- Shuttle Extras CD
- RAID Installation Guide
- RAID Floppy Disk
- I.C.E. Technology CPU heat-pipe
- (1) FDD cable
- (1) IDE Optical drive cable
- (1) Power cord
- (2) SATA cables
- Screws
- Thermal Compounds