The Entertainment PC

Intel is focused on creating an exciting new computing environment Ð one where users can access content and information anytime, anywhere, and from any device. This focus will benefit consumers and businesses by expanding capabilities of the products end-users know today and by extending the manner in which these devices interact with one another. The purpose of the Sandow Concept Platform is to provide the industry with a demonstration of the vision for the Entertainment PC in 2005. The platform, peripherals, and software that follow the suggestions in this document will be ideally positioned to demonstrate IntelÕs vision of the 2005 Digital Home Entertainment PC.

We invite developers to experience the Sandow platform, and consider implementing these design considerations for development of their own products.

Retrieved May 4, 2004 from http://www.intel.com/platforms/desktop/vision/sandow_flyer.pdf

2005 Entertainment PC

Features	Design Consideration
Intel® Pentium® 4 Processor Supporting Hyper-Threading Technology	▪ High performance Intel® processor for smooth content capture and playback, allowing multiple users to access the system simultaneously
A/V System Profile	▪ Low profile add in cards to preserve industrial design ▪ Riser cards allow full-height cards in low profile design ▪ BTX (Balanced Technology Extended) In-line cooling minimizes fan count for better acoustics
Front Panel	▪ USB based display provides playback and navigation information (track info, play, stop, pause, etc.) ▪ Audio/video control buttons (play, stop, pause, etc.) ▪ USB and A/V connectors for temporary attach devices
Back Panel Connectors	▪ No PC Legacy connectors simplify setup ▪ Common CE audio/video connectors for easy connection
IR/Remote Control	▪ USB Receiver and blaster port integrated in chassis ▪ Designed in conjunction with software suite
Media Input	▪ HD Dual TV Tuner with independent capture and control ▪ SATA DVD Rewriteable disk drive ▪ ExpressCard* end user ease of use upgrade support
Connectivity	▪ 802.11 Integrated AP with integrated antenna and 10/100 Ethernet provide easy connectivity to PCs and Digital Media Adapters
Audio	▪ HD Audio for a high fidelity experience ▪ 7.1 immersive sound system
Graphics	▪ Cost effective integrated digital/analog solution ▪ Optional PCI Express* upgrade for maximum workloads
Software	▪ Windows* XP Media Center Edition ▪ NMPR compliant middleware stack for connectivity

1. Hyper-Threading requires a computer system with an Intel® Pentium® 4 processor supporting this technology, a chipset and BIOS that utilize this technology, and an operating system that includes optimizations for this technology. Performance will vary depending on the specific hardware and software you use. See www.intel.com/info/hyperthreading for information.

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