

Net PC

Cutting Costs Without Compromising Performance



Technology at a Glance

Corporate computing environments today are becoming increasingly complex. Businesses are developing and using new computing models as competitive tools to achieve strategic goals. However, the underlying technologies that have increased PC capabilities have also made those computing environments more difficult and expensive to manage. Intel, in conjunction with key players in the PC industry, is making business PCs easier to manage, by providing tools to help organizations enhance central control and reduce their total cost of ownership (TCO) while delivering the power and versatility of traditional business PCs.

As part of this effort, Intel's Wired for Management (WfM) initiative reduces the complexity and expense associated with managing networked resources. Information Technology (IT) managers will benefit from the WfM initiative by regaining control of their networks.

Network PCs (Net PCs)

The Network PC, or Net PC, is a new category of business PCs designed from the ground up to be centrally managed. The Net PC was born out of Intel's WfM initiative to reduce total cost of computing ownership (TCO) without sacrificing necessary performance or PC compatibility. Combined with a range of management applications, the Net PC solution enables IT managers to tailor the capabilities of the client centrally to meet the needs of diverse users. The Net PC has also hastened the adoption of management technologies in business PCs at all levels.

Reducing TCO Without Sacrificing Performance & Versatility

The standard configurations associated with Net PCs reduce the complexity of multi-client PC environments. Net PCs can greatly simplify tasks associated with deploying new systems, managing assets, and maintaining consistency across departments. Performance is optimized because the Net PC includes the latest PC technologies: Pentium® II processors, smart hard drives, instrumentation, remote wake up, preboot execution environment, and manageability tools such as Intel's LANDesk® products.

In addition, the "sealed" chassis design of the Net PC allows for a range of performance options without incurring the costs associated with managing a myriad of configurations. IT managers can offer users the performance and flexibility they require, but in an authorized, planned manner that reduces support costs.

Built-in Compatibility

The Net PC provides all the compatibility benefits of the Intel architecture. The machine offers the cost savings of highly managed network computing and standardized desktops, yet runs the same operating systems and applications as legacy PCs. The Net PC fits smoothly into existing PC-based LAN environments, enabling a company to preserve and build upon its present infrastructure.

The Net PC is ideal for:

- *A centrally-managed PC environment*
- *Data – and task-focused users who do not require hardware expandability – e.g., personnel in customer support, manufacturing, finance and training*
- *Ensuring data security*
- *Kiosk-oriented information delivery*

Net PCs are based on a reference design guideline developed by Intel, Microsoft, Compaq, Dell and Hewlett-Packard. To download the Net PC system design guideline or get more information, please visit the Net PC web site. <http://www.intel.com/businesscomputing/netpc/>

Wired for Management Initiative

Intel's Wired for Management (WfM) initiative is part of a broad-based industry effort to make all PCs and servers easier to manage. WfM-capable systems and tools will dramatically reduce total cost of computing ownership. The initiative includes education and development programs, Intel-led industry efforts to develop manageability standards, and new hardware and software products. The WfM initiative targets reductions in the most expensive element of business computing: end-user support.

The WfM baseline specification is an important element of the WfM initiative. It establishes a minimum set of management interfaces that enable such capabilities as remote configuration and installation of operating systems and software applications, remote system control and diagnostics, and after-hours maintenance. The Network PC System Design Guidelines requires that all Net PCs be compliant to the WfM baseline specification.

Computer manufacturers can add additional management capabilities beyond the WfM baseline to increase value for their customers. By deploying systems that meet the WfM Baseline Specification, an IT group can install a common set of applications that centrally control or manage those PCs. This standardization is the first step in benefiting from WfM.

WIRED FOR MANAGEMENT CORE TECHNOLOGIES

The core technologies specified by the WfM baseline and inherent in Net PCs are:

<i>Technology</i>	<i>Benefit</i>
Instrumentation	Asset management; Remote problem alerting and diagnosis
Service Boot	Remote new system configuration; Initial system deployment
Remote Wake-Up	Centralized software distribution
Power Management.	Lower power consumption; Support for remote wake-up

For more information on Wired for Management and the baseline specification visit Intel's Wired for Management Web site at <http://www.intel.com/managedpc>.

