

Intera[®] Executive

Desktop Computing Designed for the Digital Office



Intera PowerStation

The all new Executive Series PowerStation harnesses the advanced computing power of the Intel[®] Pentium[®] 4 Processor 500 Sequence with EM64T support and HT Technology. The Intel[®] 945G Express Chipset, which features advanced performance architecture, coupled with Intel[®] Matrix Storage Technology, bring performance to the desktop by combining support for 1066 MHz system bus, dual-channel DDR2 667 memory, Graphics Media Accelerator 950, and native SATAII. Premium features such as Gigabit LAN, 1394a ports, and Intel[®] High Definition Audio (enables 7.1 surround sound) further enhance this high-performance platform.

This high-performance solution meets a broad range of demanding computing needs. It enables exciting new home entertainment uses for consumers, while giving business users a platform based on advanced technologies that have been thoroughly tested for reliability and performance to meet the demanding needs of applications today and tomorrow.

High Performance

The Intera PowerStation delivers maximized system performance through its high-bandwidth interfaces, such as dual-channel DDR2 main memory, 1066 MHz system bus, PCI Express graphics and I/O architecture, and Hi-Speed USB 2.0 connectivity. PCI Express architecture enables increased bi-directional bandwidth to the graphics and I/O interfaces.

With a 500 MB/s concurrent data transfer rate, it more than triples the I/O bandwidth of traditional PCI architecture. And with 4 GB/s per direction PCI Express graphics capability, it provides up to four times the graphics bandwidth of previous high-performance graphics interfaces. The Intel[®] 945G Express Chipset's high-performance architecture delivers additional system-level performance via enhanced memory pipelining that enables a higher utilization of each memory channel, improving data access. To support the increased graphics requirements and I/O bandwidth, the Intel[®] 945G Express Chipset incorporates a new Memory Controller Hub (MCH) backbone architecture.

This new design includes wider internal data busses that support dual-channel DDR2 memory technology at 1066MHz of peak memory bandwidth, for improved platform performance. The new architecture also supports both asynchronous and true isochronous data traffic, with dedicated internal pipelines and specialized arbitration. In addition, the Intel[®] 945G MCH has improved electricals with optimized ball-out for better latency with an additional bypass enabled. These enhancements enable PowerStation to take full advantage of the performance of these new high-speed interfaces.

Customize Your Storage

Onboard Intel[®] Matrix Storage Technology provides enhanced RAID support that allows critical data to be stored on a single array that is optimized for high reliability - RAID, while also allowing memory and storage intensive applications, such as games, to be optimized for maximum performance, RAID 0.

Key Features:

- Intel[®] Pentium[®] 4 CPU featuring Hyper-Threading, EM64T and 1066MHz system bus



- Intel[®] 945G Chipset
4GB DDR2 memory
1066 MHz FSB
- Six Expansion Slots
One PCI Express* x 16
Two PCI Express x 1
Three PCI
- Graphics Media Accelerator
Enhanced bandwidth for graphics technology and headroom
- Integrated Gigabit LAN
- SATA II
four SATA II ports
- Matrix Storage Technology
SATA RAID 0 and 1

Product Specifications

CPU:	Intel® Pentium® 4 to 3.8GHz+ LGA775 package
Chipset:	Intel® 945G Chipset, Supports 1066MHz Front-Side Bus
Memory:	Up to 4GB via four 1.8V, unbuffered, DDR2 DIMMs
Expansion:	3 x 32Bit, 5V @ 33MHz PCI Bus Mastering Slots 2 x PCI Express x 1 slots 1 x PCI Express x 16 slot
Video:	Intel® Graphics Media Accelerator
Interfaces:	Two SATA II Ports Two PCI Bus Mastering UDMA/100 EIDE Channels One Serial Port - (16550 UART) 10/100/1000 LAN Four USB Ports + 4 via headers One SPP/ECP/EPP Parallel Port - DB25 One 1394a port + 2 via headers 6 Channel High Definition Audio
Storage:	3.5", 1.44 MB Floppy Drive CD/DVD ROM Drive
Input Devices:	104 Key Enhanced Keyboard 2 Button Mouse
Misc:	Processor fan speed control System chassis fan speed control Voltage and temperature sensing Fan sensor inputs used to monitor fan activity Power management support for ACPI 2.0
Chassis:	15.6" x 12.8" x 3.7" Screwless Chassis Design
Configuration Options:	SATA II or Ultra320 SCSI Disk Drives SCSI Disk Drives require SCSI Enhancement Kit
Warranty:	3 year limited warranty - parts & labor

Aero DAT72 Tape Drives



Aero DAT72 Tape Drives offer high performance data backup/restore in internal or external models.

SCSI Enhancement Kit



Includes disk optimization and SCSI management utilities to improve throughput in all popular operating systems.



Executive Power Station available chassis.