



Datasheet

Server Management Solution

Intel® Server Board SE7320NH1LX

# Intel® ESAA Remote Server Management Solution

SyAM Software offers cost-effective, real-time server monitoring

Servers are the foundation of the IT infrastructure. Critical data, applications, database information, and mission-critical processes must be readily and reliably available for businesses to be productive. When servers go down, losses skyrocket. SyAM Software alerts the administrator to developing issues within system and storage resources to identify the problem before it causes downtime.

## Intel ESAA and SyAM Software Offer Remote Server Management Solution

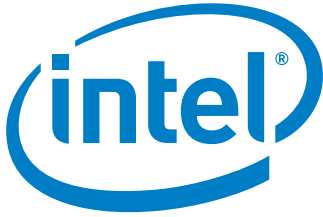
SyAM Software\* Server Monitor\*, combined with the Intel® Entry Server Board SE7230NH1LX, provide real-time monitoring of a broad set of operational sensors that correspond to a servers' optimal performance. With Server Monitor's proactive management capabilities, including out-of-band remote management using Intel® Active Management Technology (Intel® AMT), warning and critical alerts assist administrators in pinpointing the root cause of the problem before downtime occurs.

Server Monitor Central allows administrators to manage and monitor the key components of the IT infrastructure: servers, storage, desktops, and notebooks. Server Monitor Central empowers administrators to keep all of these systems functioning at peak efficiency.

## A Performance Uniprocessor Server Board Supporting Dual Core Processors, Faster DDR2 Memory, Dual Gb LAN, and PCI Express\* I/O

The Intel Server Board SE7230NH1-E takes computer and I/O performance to the next level and enables businesses to achieve better overall performance without sacrificing cost-effectiveness or reliability.

By basing servers on the Intel Entry Server Board SE7230NH1-E supporting dual-core processors and a system bus of up to 1066 MHz, businesses can achieve performance without sacrificing cost-effectiveness or reliability. Other performance advantages come from the board's support for up to 8 GB of dual-channel unbuffered ECC DDR2 SDRAM and the next-generation PCI Express\* I/O interconnect technology. The board also supports Intel® Power and Thermal Headroom, Intel's server technology to help protect performance over the long term and facilitate scalability so that systems can grow alongside the business itself.



## Intel® Entry Server Board SE7230NH1-E Features

Features	Benefits
Intel® Pentium® 4 processor, Intel® Pentium® D processor, or Intel® Pentium® Extreme Edition processor with up to 1066MHz system bus and Intel® EM64T <sup>1</sup>	Improved performance for entry-level server applications and small business servers
Intel® E7230 chipset	Enterprise-class reliability and availability
Dual-channel memory with support for up to 8 GB of unbuffered ECC DDR2 400/533/667 SDRAM through 4 DIMM sockets	Highly reliable and powerful memory subsystem with automatic correction of single-bit errors, which may improve system uptime
One PCI Express* x8 connector; two PCI Express x4 connectors (each on a x1 lane)	Support for high-bandwidth adapter cards
Intel® Adaptive Slot <sup>2</sup> technology (SE7230NH1LX only) supporting PCI Express, PCI-X, and PCI I/O interconnect technologies	Support for multiple I/O configurations, flexibility, and scalability
Dual Intel® Gigabit Ethernet connections	Ample network bandwidth with options for separate subnets to simplify network setup and troubleshooting or redundant links to improve reliability
Support for Intel® Active Management Technology <sup>3</sup>	Out-of-band capabilities such as power management, Serial over LAN, and IDE Redirect regardless of OS or power states



**SyAM Software™**

### Validated Server Solutions Backed by Industry Leaders

When you choose a validated server solution, backed by the Intel® Enabled Server Acceleration Alliance (Intel® ESAA), you choose a solution that delivers the highest standards for quality and interoperability.

Through this collaborative alliance, Intel Corporation has teamed with other industry leaders to provide you with an ideal server solution for your business. Intel ESAA lets you streamline deployment and implementation so you can focus on growing your business. For more information on the Intel® ESAA program, visit [www.intel.com/go/esaa](http://www.intel.com/go/esaa).

For a current list of Intel® ESAA members, visit [www.intel.com/design/servers/esaa/members.htm](http://www.intel.com/design/servers/esaa/members.htm).

### About SyAM Software

SyAM Software is a developer of Systems Area Management tools: Notebook Monitor, Desktop Monitor, and Server Monitor. All products are easy to deploy, learn, and use and can be downloaded from the company web site free of charge ([www.syamsoftware.com](http://www.syamsoftware.com)). Local products can be used free of charge indefinitely. However, to unlock the real power of the products, users should install a Central Manager to manage their local systems. The Central Manager product comes with a free 15 day trial period and a pay as you grow method thereafter. Enterprises benefit from these solutions with increased levels of visibility and manageability of their systems. SMBs benefit from a comprehensive solution that empowers administrators to reduce costs, manage more systems with fewer resources, and increase uptime and overall productivity. Major business benefits include reduced energy costs, simplified and automated asset tracking, remote monitoring and resolution, reduced complexity, and reduced total cost of ownership.

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