Amd phenom ii x4 925

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Enjoy the unsurpassed multi-core value and ultimate high-definition entertainment with the AMD Phenom II X4 925 processor. Save time and do more with true quad-core processing, which makes multitasking quick and easy. AMD64, with Direct Connect architecture and 45nm technology, has created a customized processing pipeline that helps keep your system running at the highest level. HyperTransport provides up to 16.0 GB/s bandwidth to reduce bottlenecks in the system, and AMD Balanced Smart Cache provides a fast access time to high-quality data. Energy efficiency is important for AMD, allowing you to enjoy a cool, quiet PC, saving energy and reducing the heat, noise and impact of your computer on the environment. Energy efficiency innovations include Cool'n'zueet and AMD CoolCore, which reduce energy consumption by balancing processor activity, allowing you to enjoy clean, energy efficient performance. AMD Phenom II processors also offer support for virtualization technology. You can easily run virtual environments in one system, allowing you to use legacy programs in a separate operating system. Add the convenience and power of multi-core processing and enjoy the benefits of energy efficiency with the AMD Phenom II X4 925 today! A quad-core processor with an AMDWith power of four processor cores on a single chip, amD's true multi-core Phenom II X4 925 processor provides exceptional multitasking power, allowing users to splash through the most demanding load processing, including advanced multitasking, critical business performance, sophisticated visual design and simulation, serious gaming, and visually stunning digital media and entertainment. AMD64 with Direct Connect ArchitectureAMD64 technology allows THE AMD Phenom II X4 925 to run 32-bit applications at full speed, allowing a new generation of powerful 64-bit software applications. In addition, all AMD Phenom II processors are built on the revolutionary AMD direct connectivity architecture, where processors are directly linked to each other. The I/O and memory subsystem is also directly connected to each core of the processor, helping to improve overall performance and efficiency. Integrated memory controllerThe AMD Phenom II X4 925 has high bandwidth, a low-latency memory controller that directly connects the processor to memory for optimal performance, low latency and high bandwidth. HyperTransport 3.0 TechnologyHyperTransport Technology (HT or HTT) is a high-speed, low-delay, point-to-point current designed to increase the speed of communication between integrated circuits in computers, servers, built-in systems, and network and telecommunications equipment. With HT 3.0 quad-core processor The Phenom II X4 925 has a speed of 4000 MHz. AMD Power ManagementCPU Power Management Technologies, including AMD PowerNow! 3.0 (Cool'n'quiet), CoolCore and Dual Dynamic Power Management lead to proven, measurable business benefits and including lower energy consumption, lower energy costs, and more environmentally friendly PC operations. AMD Virtualization Table Virtualization on Desktop Computers allows one COMPUTHER to act as multiple virtual machines. AMD virtualization allows client computers to maintain multiple operating environments seamlessly. It also helps make it easier for PC lovers to upgrade and maintain their PCs by emulating. © 1996-2014, Amazon.com, Inc. or its Page 2 affiliates experience a new world of quad-core computing with the AMD Phenom II X4 925. Every aspect of this processor has been designed with speed and energy efficiency in mind. Using the AMD64 direct connectivity architecture, the app's performance increases dramatically while reducing memory latency. HyperTransport technology can provide up to 16.0 GB/s bandwidth to reduce system bottlenecks, and a balanced smart cache provides a quick access time to highly used data. Energy efficiency is important for AMD, allowing you to enjoy a cool, quiet PC, saving energy and reducing the heat, noise and impact of your computer on the environment. Energy efficiency innovations include Cool'n'zueet and AMD CoolCore. These technologies reduce the power consumption and activity of processors. AMD Phenom II processors also offer support for virtualization technology. You can easily run virtual environments in one system, allowing you to use legacy programs in a separate operating system. Add the convenience and power of multi-core processing and enjoy the benefits of energy efficiency with the AMD Phenom II X4 925 today! The AmD64 quad-core TechnologyAMD64 is designed for simultaneous 32- and 64-bit computing without performance degradation. With quad-core technology, four complete processor cores at the same frequency work at the same frequency, allowing users to burn out the most demanding processor loads, including advanced multitasking, critical business performance, sophisticated visual design and modeling, serious games and visually stunning digital media and entertainment. The integrated DDR2 and DDR3 DRAM Memory ControllerThe AMD Phenom II X4 quad-Core processor is integrated with the DDR2 and DDR3 DRAM memory controller, capable of supporting registered and ECC DRAM. The integrated memory controller changes the way the processor accesses basic memory, resulting in increased bandwidth, lower memory frequencies, and improved processor performance. HyperTransport TechnologyHyperTransport Technology (HT or HTT) is a high-speed, low-delay, point-to-point point, designed to increase the speed of communication between integrated circuits in computers, servers, built-in systems, and network and telecommunications equipment. With HT 3.0 technology, the AMD Phenom II X4 quad-core processor has a speed of 4000 MHz. Amd 3.0 TechnologyAMD's Cool'n'quiet 3.0 Advanced Solution Technology available on AMD Phenom II X4 processor systems that can effectively reduce energy consumption enable a quieter system while providing on-demand performance. AMD Virtualization Table Virtualization on Desktop Computers allows one COMPUTHER to act as multiple virtual machines. AMD virtualization allows client computers to maintain multiple operating environments seamlessly. And it also helps make it easier for PC lovers to upgrade and maintain their PCs by emulating. AMD CoolCore TechnologyAMD CoolCore reduces processor energy consumption by turning off unused parts of the processor. Power can be switched on or off within a one-hour cycle, so that the energy is stored without sacrificing performance. The AMD Phenom II X4 925 was a 4 core desktop processor launched in May 2009. It is part of the Phenom II X4 line using deneb architecture with Socket AM3. The Phenom II X4 925 has a 6MB L3 cache and runs at 2.8 GHz. AMD makes the Phenom II X4 925 at a 45 nm production hub using 758 million transistors. The multiplier is locked on the Phenom II X4 925, limiting its acceleration potential. With the TDP 95 W, the Phenom II X4 925 consumes a lot of energy, so decent cooling is needed. The AMD processor supports DDR3 memory with an adral-channel interface. To communicate with other components of the system, the Phenom II X4 925 uses the PCI-Express Gen 2 connection. This processor doesn't have integrated graphics, you'll need a separate graphics card. Hardware virtualization is available on the Phenom II X4 925, which greatly improves the performance of the virtual machine. Socket: AMD Socket AM3 Process Size: 45 nm Transistors: 758 million Die Size: 258 mm² Package: µPGA Frequency: 2.8 GHz Turbo Clock: N/A Base Clock: 200 MHz Multiplier: 14.0x Multiplier Unlocked: No Voltage: 1.425 V TDP: 95 W Market: Desktop Production Status: End-of-life Release Date: May 11th, 2009 Codename: Deneb Generation: Phenom II X4 (Deneb) Part#: HDX925WFK4DGIHDX925WFGIBOXHDX925WFK4DGMHDX925WFGMBOX Memory Support: DDR3 Dual-channel ECC Memory: No PCI-Express: Gen 2 # of Cores: 4 # of Threads: 4 SMP # CPUs: 1 Integrated Graphics: N/A Cache L1: 128K (per core) Cache L2: 512K (per core) Cache L3: 6MB (shared) older Released November, 2009 Clock speed 2.8 GHz Cores Quad core Socket type AM3 Is unlocked No Has a NX bit Yes Has virtualization support Yes Instruction set extensions MMXSSESSE23DNow! SSE4aSSE3 Maintains Dynamic Frequency Scaling Yes TDP 95W Annual Home Energy Costs $22.89/Year Annual Commercial Energy Cost $83.22/Year Performance Per Watt 1.48 pt/W Typical Energy Consumption 77.19W Architecture x86-64 Topics 4 Strands L2 Cache 2 MDB L2 Cache on core 0.5 MB /core L33 cache on core 1.5 MB/core Production Process 45 nm Max processors 1 Voltage range 0.85 - 1.43V Operating temperature Unknown - 71 C Overclock profit popularity 1 acceleration of hourly speed 3.69 GHz acceleration of hourly speed (water) 2.8 GHz Hourly Speed (Air) 3.69 GHz Correction Correction Correction Report amd phenom ii x4 925 specs. amd phenom ii x4 925 windows 10. amd phenom ii x4 925 intel equivalent. amd phenom ii x4 925 overclock. amd phenom ii x4 925 release date. amd phenom ii x4 925 gaming. amd phenom ii x4 925 processor. amd phenom ii x4 925 socket

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