

PE-AM2RS740G2 - PURE Element 740G



The new Pure AMD 740G high value video mainboard solution support for the impressive AMD AM3 X4, X3, X2, and Sempron, AM2+ Phenom, Athlon AM2 64/FX/ X2 processors, memory expand of up to 8GB of 533/667/800/1066 Dual Channel, PCI-Express Technology, onboard ATI Radeon HD2100 graphics engine to fill your multimedia needs, onboard LAN/USB 2.0 affords the luxury of connectivity without limitations, and for peak hard drive performance and backwards compatibility RAID 0/1/10 SATA II support. With S3 , Smart FAN and 3+1 phase power design, making system more stable and reliable



Overview

Features



AMD Phenom™ Quad-Core Processors with True Quad-Core Technology

Realize new possibilities for connecting with friends, family, and digital entertainment with the phenomenal performance of the AMD Phenom™ 9000 series quad-core processor. Built from the ground up for true quad-core performance, AMD Phenom™ processors speed through advanced multitasking, critical business productivity, advanced visual design and modeling, serious gaming, and visually stunning digital media and entertainment.

AMD 740G Chipset: Backbone of the Performance Platform

AMD™740G chipset is AMD's performance class IGP platform solution. With embedded Radeon® 2100 graphics core, DVI technology, this advanced chipset pumps an exceptional performance of VPU, delivering incredible graphics and blistering performance. AMD™ 740G chipset provides incredible flexibility and unlimited upgrade potential as it supports all Radeon® PCI – E graphics cards on a system configured for either single GPU or next generation multimedia operation. Designed with ATI's unique architecture to optimize speed and stability, this solution is perfect for overclocking – without the need of additional cooling systems.

AMD New generation of 45nm AMD Socket AM3 processors

The 45nm AM3 processors that support Hyper Transport 3.0 Bus and integrate DDR2 & DDR3 memory controller, To provide advanced visual design and modeling, serious gaming, and visually stunning digital media and entertainment.

Serial ATA2 3Gb/s&RAID

This platform supports reliable storage solution for enhanced data protection and data accessing performance. Serial ATA 3Gb/s is firstly introduced in this platform to provide blazingly 3Gb/s bus bandwidth thus higher disk performance. The SATA RAID allows multi-disk designs to be set up as RAID 0, 1,10 based on users' priority of protection/performance, and which even makes more accessible by introducing the innovative windows-based facility.

CPU Vcore Shift / Shift to the scalabilities and flexibilities

The adjustable voltage for CPU Vcore can be upgraded in stages for the precisely hardware dynamic over-clocking of demanding computing performance.

Specification

CPU	Supports AMD Socket AM3/AM2+/AM2: AM3/ AM2+/AM2 Phenom II processor & Athlon X2 / Athlon 64 / Sempron processors
Chipset	AMD™ 740G Chipset + AMD™SB600 Chipset
Memory	Dual Channel DDR2 memory technology 2 * 240-pin DDR2 DIMM slots Supports DDR2 1066/800 non-ECC ,un-buffered memory Max.8GB
Expansion Slots	2 * 32-bit PCI Slots

	1 * PCI Express x16 slot @16-Lane and 1*PCI Express x1 slot
Storage	AMD™SB710 Southbridge Chipset : 4 * Serial ATA2 3Gb/s connectors Supports HDDs with RAID 0, 1,JBOD Functions
Audio	Realtek ALC662 HD Audio CODEC with 6-Channel
Ethernet LAN	Realtek RTL8102E-VB PCI-E 10/100m LAN
USB	Embedded 10 * USB 2.0/1.1
Special Features	Advanced Power Design and OC-CON capacitor use Support AM3 power management. S3 support, Smart FAN support
Rear Panel I / O	4 * USB 2.0/1.1 ports 1 * PS/2 mouse port 1 * PS/2 keyboard port 1 * VGA port & 1 * DVI port 1 * RJ-45 port 1 * Audio I / O ports
Internal I / O	3 * USB 2.0/1.1 headers for 6 USB 2.0/1.1 ports CPU / Chassis Fan connectors 1 * 4-pin ATX 12V Power connector 1 * 24-pin ATX Power connector 1 * 9-pin front Audio header 1 * 2-pin HDMI_SPDIF_OUT header
BIOS	AMI 8MB SPI Flash ROM
Form Factor	Micro ATX Form Factor (245X195 mm)