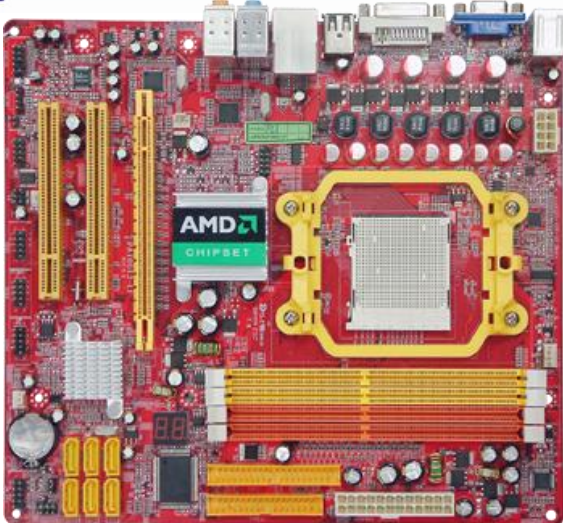


## Mainboard Diagram



### PA78GT3-DG

- AMD™ 780G Chipset and AMD™ SB700 Chipset
- Support Socket AM2+ Phenom™FX processor
- Support HT 3.0
- Integrated ATI Radeon HD 3200
- Dual Channel DDR2 800 Memory DIMMs Supported
- Support 6 Serial ATA Devices with RAID 0, 1
- Ready for Windows® Vista™
- PCI Express Gigabit LAN Supported
- 8-Channel HD Audio CODEC
- CPU Vcore 7-Shift / DVI Port / Debug Port/Directx 10
- Micro ATX Form Factor



## Features and Benefits

### 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™ 780G Chipset: Backbone of the Performance Platform

AMD™ 780G chipset based PCs feature the latest PCI-Express™ 2.0 bus technology and deliver high performance, low latency architecture offer one of the industry's advanced core-logic solutions with qualified performance and the latest technologies—PCI Express 2.0, secure high-speed networking, and high-performance storage—and ensures that your PC stays ready for the newest games, future applications, and next-generation PC specifications

### AMD™ SB700 Southbridge Chipset

AMD SB700 Series offers advanced technologies and superior performance to any chipset platform solution for AMD desktop and mobile applications. With superior performance and broad-based connectivity, SB700 is rich in all the latest advanced features such as 12 USB 2.0 ports and audio. Designed for full data access for the fastest Windows Vista experience, it features new disk controller technologies that ensure fast file access while providing encryption for data security. AMD SB700 is designed with advanced power management for low power consumption and energy efficient platforms.

### GPU Clock Adjustable

Onboard VGA can overclocking.

### PCI Express 2.0 Buses

The PCI Express 2.0 x16 graphics delivers up to 8 GB/s per direction, 2 times more bandwidth than PCI Express x16 and up to 16 GB/s concurrent bandwidth. PCI Express x1 I/O offers 1GB/s concurrently, over 7 times more bandwidth than AGP8X, tackling the most demanding multimedia tasks nowadays

### OC-CON high-polymer solid electrolysis aluminum capacitors embedded

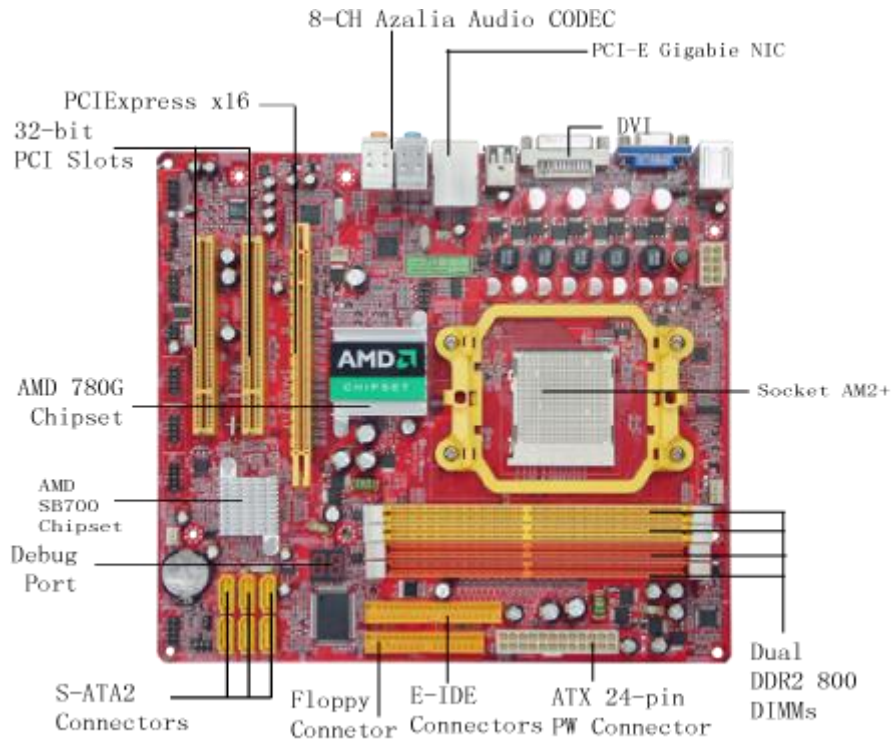
The working temperature is from 55 degrees Centigrade below zero to 125 degrees Centigrade, OC\_CON capacitors possess superior physical characteristics that can be while reducing the working temperature between 20 degrees Centigrade each time, intact extension 10 times of effective product operation lives, at not rising degrees Centigrade of working temperatures each time a relative one, life of product decline 10% only too.

### Debug Port / The Professional Hardware Diagnosis System

Being bugged of abnormal system failure through the tossed and turned nights no more, the embedded Hardware Debug Port offers you the real-time visual system healthy for the demanding usage of computing. No more bugging by unknown system failure and no more time wasted in the first moment of 24-hour nonstop ping business computing, the embedded Debug Port will turn you into a well training hardware professional with the seeing system situation..

### CPU Vcore 7-Shift / Shift\_to the scalabilities and flexibilities

The adjustable voltage for CPU Vcore can be upgraded in 31 stages for the precisely hardware dynamic over-clocking of demanding computing performance.



## Mainboard Specifications

<b>CPU</b>	<ul style="list-style-type: none"> <li>Socket AM2+ HT 3.0 MHz AMD Phenom FX With HyperTransport Technology</li> <li>Compatible with 64-bit Dual Core AMD® Athlon™64 X2 Processor</li> </ul>
<b>Chipset</b>	<ul style="list-style-type: none"> <li>AMD™ 780G Chipset + AMD™SB700 Chipset</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>4 * 240-pin DIMM Sockets for unbuffered Dual DDR2 800 SDRAM up to 8 GB</li> </ul>
<b>Expansion Slots</b>	<ul style="list-style-type: none"> <li>2* 32-bit PCI Slots / 1 * PCI EXPRESS x16</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>2 * Ultra DMA 133 / 100 / 66 IDE Devices Support</li> <li>Embedded AMD™SB700 Southbridge Chipset Supports 6 Serial ATA2 HDDs with RAID 0, 1 Functions</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>Realtek ALC883 8-Channel HD Audio CODEC</li> </ul>
<b>Ethernet LAN</b>	<ul style="list-style-type: none"> <li>Marvell 88E8056 PCI Express Gigabit NIC</li> </ul>
<b>USB</b>	<ul style="list-style-type: none"> <li>Embedded 10 * High Speed USB @ 480 Mbit / s</li> </ul>
<b>Special Features</b>	<ul style="list-style-type: none"> <li>Advanced Power Design that supports the latest Socket-AM2 + K10 CPU</li> </ul>
<b>Rear Panel I / O</b>	<ul style="list-style-type: none"> <li>4 * High Speed USB Connectors @ 480 Mbit / s</li> <li>1 * PS / 2 Mouse &amp; 1 * PS/2 Keyboard</li> <li>1 * D-Sub 15-pin Connector &amp; 1 * DVI Connector</li> <li>1 * RJ45 Over USB2.0 Connector</li> <li>1 * Audio I / O</li> </ul>
<b>Internal I / O</b>	<ul style="list-style-type: none"> <li>3 * High Speed USB Connectors @ 480 Mbit / s for 6 USB 2.0 Ports</li> <li>CPU / Chassis Fan Connectors</li> <li>1 * 12V 8-pin ATX Power Connector and 1 * 24-pin ATX Power Connector</li> <li>1 * Serial Port of 9-pin Block</li> <li>CD / AUX Audio in</li> <li>1 * Floppy Connector</li> <li>SPDIF header</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>Award 8 MB SPI Flash ROM</li> </ul>
<b>Form Factor</b>	<ul style="list-style-type: none"> <li>Micro ATX Form Factor</li> </ul>