



User Manual
Q9000+ Personal Computer



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| Release Date: | Oct 2008 |

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Notices

- This device may not cause harmful interference.
- This device must accept any interference received including interference that may cause undesired operation.

Federal Communications Commission (FCC) notice:

FCC Part 15.21

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Part 15.105

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning

the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Safety Information

Electrical Safety

- To prevent electrical shock hazard, disconnect the power cable from the electrical outlet before relocating the system.
- When adding or removing devices to or from the system, ensure that the power cables for the devices are unplugged before the signal cables are connected.
- Before connecting or removing cables from the motherboard, ensure that all power cables are unplugged.
- Seek professional assistance before using an adapter or extension cord. These devices could interrupt the grounding circuit.
- If the power supply is broken, do not try to fix it by yourself. Contact a qualified service technician or your retailer.

Operation Safety

- Before installing devices into the system, carefully read all the documentation that came with the package.
- Before using the product, make sure all cables are correctly connected and the power cables are not damaged. If you detect any damage, contact your dealer immediately.
- To avoid short circuits, keep paper clips, screws, and staples away from connectors, slots, sockets and circuitry.
- Avoid dust, humidity, and temperature extremes. Do not place the product in any area where it may become wet.
- Place the product on a stable surface.
- If you encounter technical problems with the product, contact a qualified service technician or your retailer.

1. Setting Up Your Computer

Your SAMsync computer is composed of hardware components, each doing a certain task, contributing to a reliable and enjoyable computing experience. The sections below illustrate the hardware contents shipped with your computer, and explain how to connect the external components to the main system to operate properly and how to connect other external (optional) equipments to ports available on the front and rear panel of the system.

1.1 Package Contents

The box containing your SAMsync computer case also contains other hardware components needed to get your system fully operational. The system package contains:

1. SAMsync computer (case)
2. SAMsync keyboard
3. SAMsync mouse
4. Power cable
5. Drivers CDs.
6. user Manual.

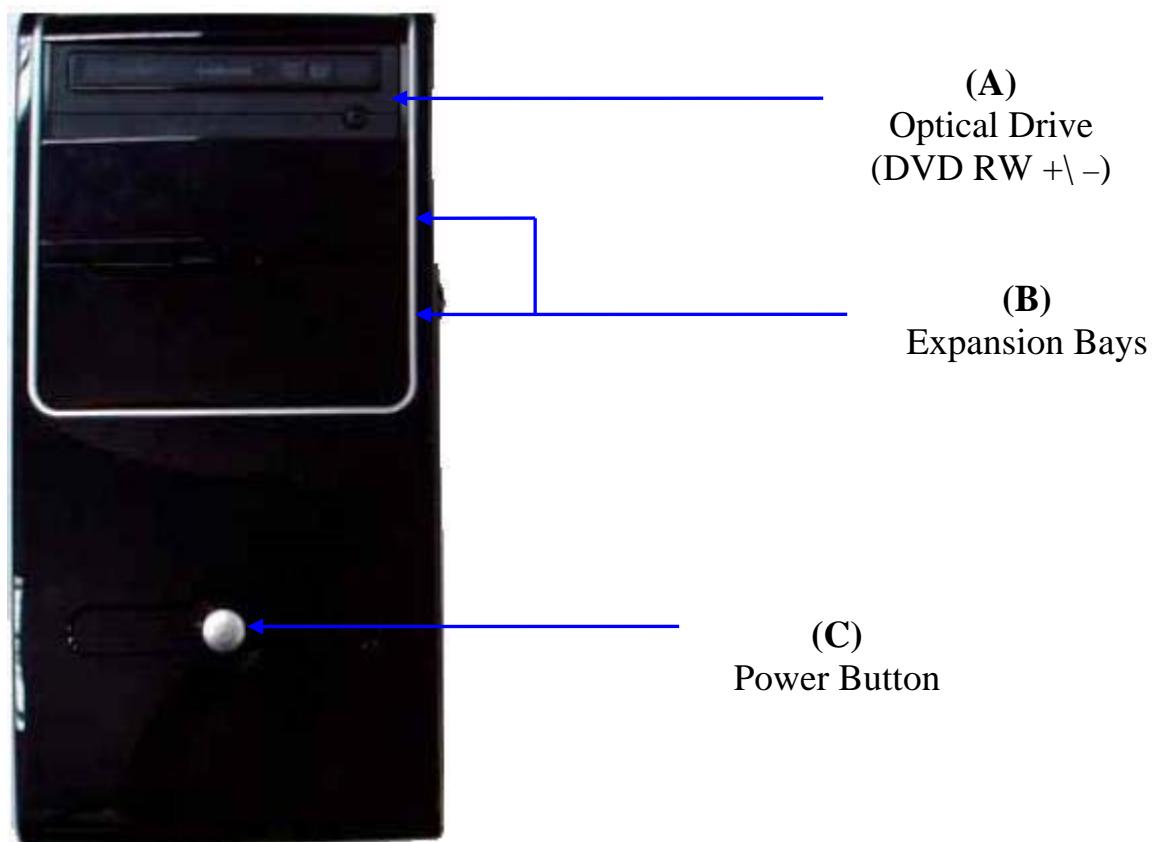
1.2 Connecting your computer components

If you are not familiar with how to connect the typical computer peripherals, please follow the instructions below.

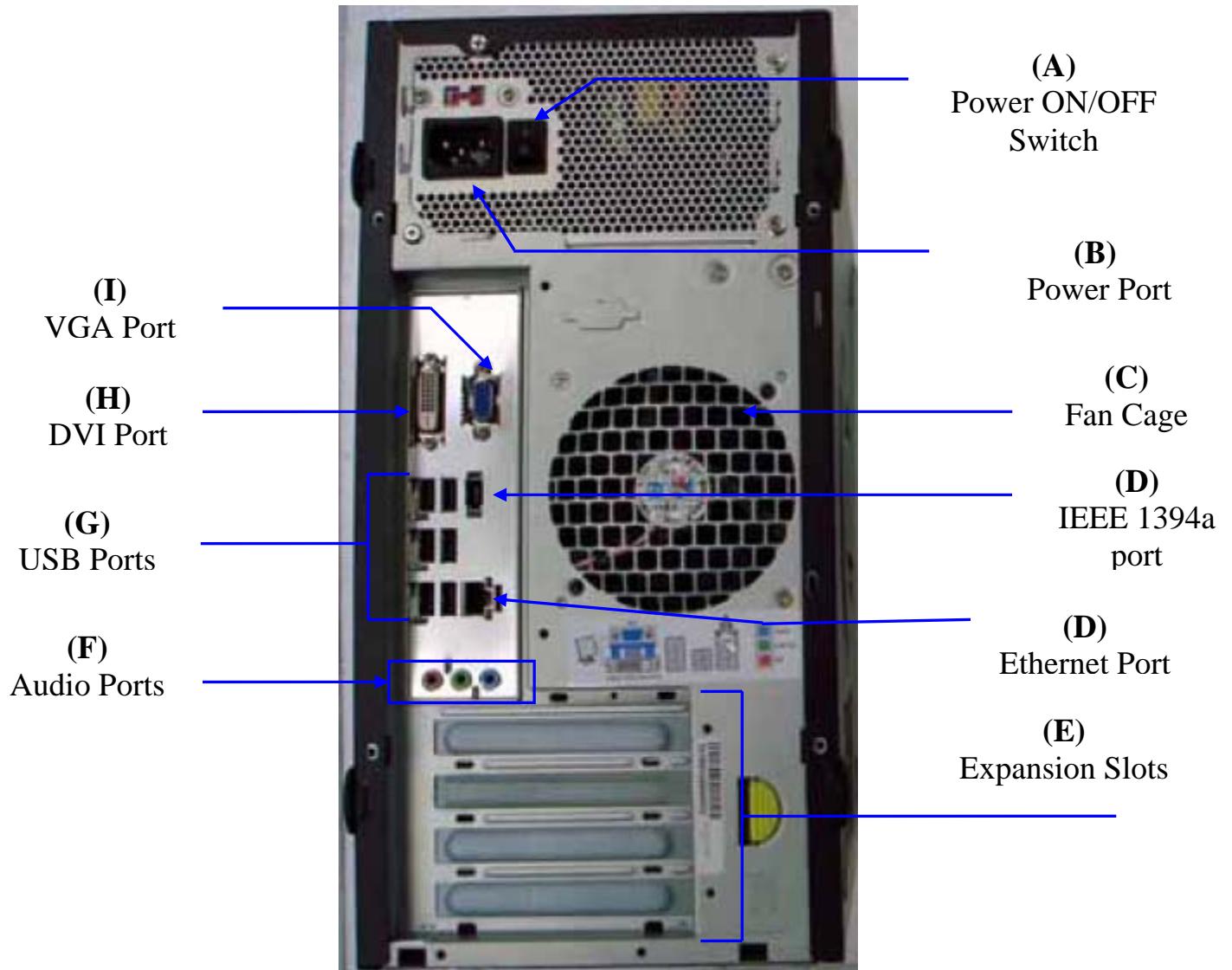
1. Place your computer case in a stable (top of a desk or on the floor) near an electric source.
2. Connect your computer's mouse to one of the USB ports indicated by label (G) in the rear diagram.
3. Connect your computer's keyboard to one of the USB ports indicated by label (G) in the rear diagram.
4. Connect your computer's monitor to the one of the ports indicated by the labels (H) or (I). The choice of ports should be determined by your monitor's type and accompanied cable. Your system can handle two common types of monitors, Digital Video Interface (DVI) and Video Graphics Array (VGA) monitors.
5. Connect the included power cable to the power port indicated by label (B) in the rear diagram.

1.3 System's front panel

The case, which contains all the internal parts of your computer, has several ports that allow you to connect various devices. This section contains a figure that illustrates the front side of the case. The part of the case pointed by label (A) is the optical drive of your computer, it allows you to read and write on both CDs and DVDs of the various formats. Arrows connected to the label (B) are the expansion bays available in your computer case, they allow for installing new I/O devices (e.g. Blu-ray drive, memory card reader ...). Finally, the arrow next to label (C) points to the power button.



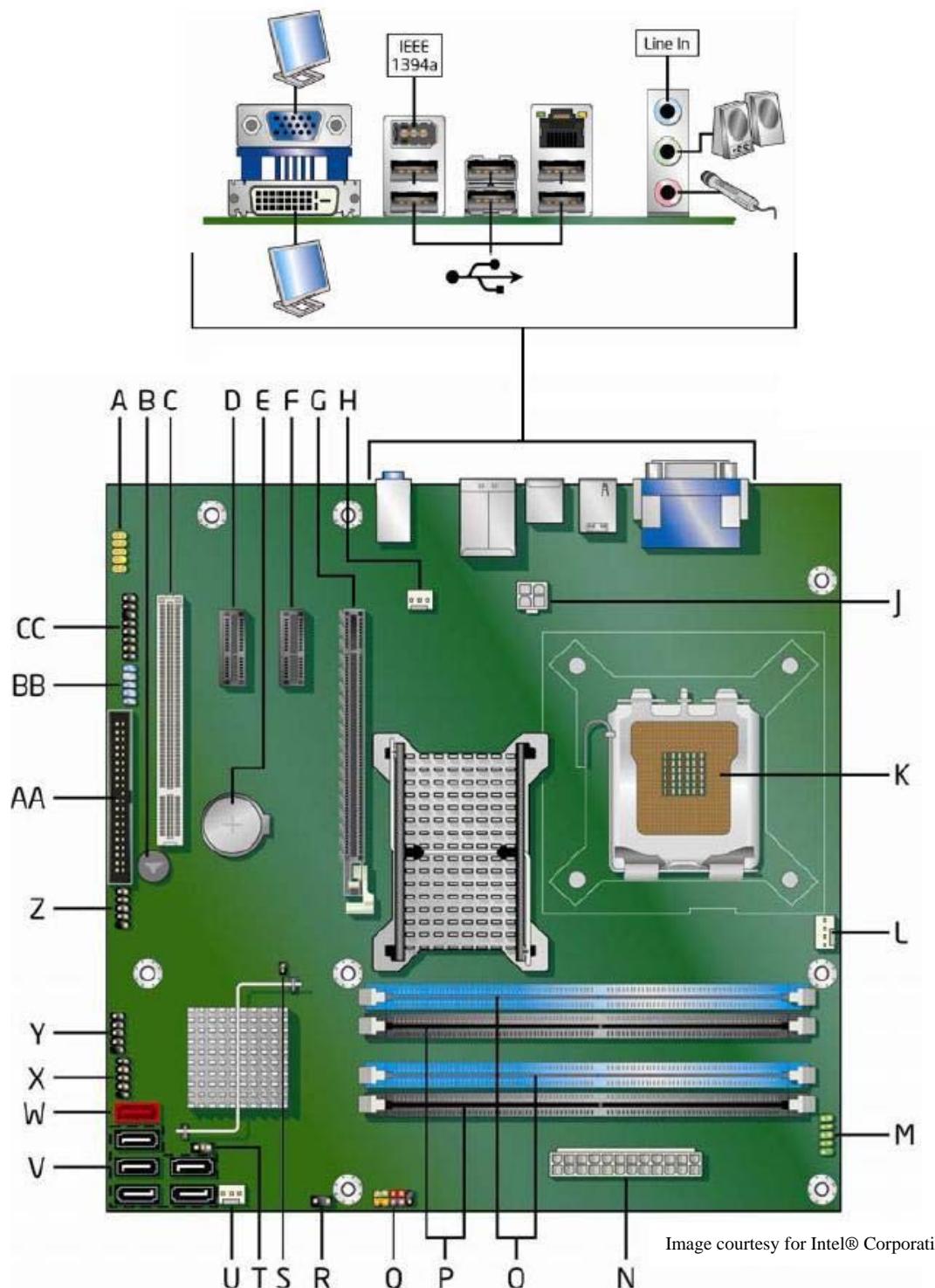
1.4 System's rear panel



2. Your System's Motherboard

2.1 Motherboard layout

Your computer's motherboard is the fundamental component. You will notice that almost every component is connected to the motherboard through some port. Below is an illustrative diagram for the motherboard included in your computer system.



| Label | Description |
|--------------|---------------------------------------------------|
| A | Front panel audio header |
| B | Speaker |
| C | PCI bus connector |
| D | PCI Express x1 connector 2 |
| E | Battery |
| F | PCI Express x1 connector 1 |
| G | PCI Express x16 connector |
| H | Rear chassis fan header (3-pin) |
| I | Back panel connectors |
| J | 12 V processor core voltage connector (2 x 2 pin) |
| K | Processor socket |
| L | Processor fan header (4-pin) |
| M | Serial header |
| N | Main power connector (2 x 12 pin) |
| O | DDR2 DIMM 0 sockets |
| P | DDR2 DIMM 1 sockets |
| Q | Front panel header |
| R | Alternate front panel power LED header |
| S | Chassis intrusion header |
| T | BIOS configuration jumper block |
| U | Front chassis fan header (3-pin) |
| V | Serial ATA connectors |
| W | External SATA (eSATA) connector |
| X | High-speed USB 2.0 header 2 |
| Y | High-speed USB 2.0 header 3 |
| Z | High-speed USB 2.0 header 1 |
| AA | IDE connector |
| BB | IEEE 1394a header |
| CC | High Definition Audio Link header |

3. BIOS settings

The BIOS Setup program can be used to view and change the BIOS settings for the computer. The BIOS Setup program is accessed by pressing the <F2> key after the Power-On Self-Test (POST) memory test begins and before the operating system boot begins. The following menus are available:

| Menu Item | Purpose |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Maintenance | Clears passwords and displays processor information. The maintenance menu is displayed only when the Desktop Board is in configure mode. |
| Manageability | Configure options associated with Intel® Platform Administration Technology. |
| Main | Displays processor and memory configuration. |
| Advanced | Configures advanced features available through the chipset. |
| Security | Sets passwords and security features. |
| Power | Configures power management features and power supply controls. |
| Boot | Selects boot options. |
| Intel® ME | Configures options for the Intel® Management Engine and Intel® Active Management Technology. |
| Exit | Saves or discards changes to Setup program options. |

For more information about the BIOS settings configuration we recommend consulting Intel's® website (www.intel.com).

4. Getting Further Assistance

SAMsync PCs are built according to high international standards and have satisfied many needs by various parties. However, in case you needed any type of assistance after purchase, please do not hesitate to consult our experts. Your enquiries are always welcome.

4.1 SAMsync contact information

- SAMsync Headquarters:-
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