

Gateway 4000684

Gateway Intel A19243 Skt370 PIII Motherboard (Model 4000684) User Manual

Comprehensive instructions for installation, operation, and maintenance.

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INTRODUCTION

This manual provides detailed instructions for the installation, configuration, operation, and maintenance of your Gateway Intel A19243 Skt370 PIII Motherboard, model 4000684. Please read this manual thoroughly before proceeding with any installation or operation to ensure proper functionality and to prevent damage to the component or other system parts. The Gateway Intel A19243 Skt370 PIII Motherboard is designed for use in personal computers and servers, supporting Intel Celeron and Intel Pentium processors with a Socket 370 CPU interface.

SAFETY INFORMATION

- Always disconnect power from your computer before installing or removing any components.
- Wear an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to sensitive electronic components.
- Handle the motherboard by its edges to avoid touching components or traces.
- Ensure proper ventilation within your computer case to prevent overheating.
- Refer to your computer case and power supply manuals for additional safety guidelines.

SETUP AND INSTALLATION

1. Preparing for Installation

1. **Gather Tools:** You will need a Phillips head screwdriver, anti-static wrist strap, and thermal paste (if not pre-applied to CPU cooler).
2. **Prepare Case:** Open your computer case and remove any existing motherboard if upgrading. Ensure the case has appropriate standoffs for ATX form factor motherboards.
3. **Unpack Motherboard:** Carefully remove the Gateway Intel A19243 Skt370 PIII Motherboard from its anti-static

packaging.

2. Installing the CPU

The motherboard supports Intel Celeron and Intel Pentium processors with a Socket 370 interface.

1. Locate the Socket 370 on the motherboard.
2. Lift the CPU retention lever.
3. Align the CPU with the socket, ensuring the gold triangle on the CPU matches the triangle on the socket. Gently place the CPU into the socket without forcing it.
4. Lower the retention lever to secure the CPU.
5. Apply a thin, even layer of thermal paste to the top of the CPU (if not pre-applied to your cooler).
6. Install the CPU cooler according to its manufacturer's instructions, ensuring good contact with the CPU. Connect the CPU fan cable to the designated CPU_FAN header on the motherboard.

3. Installing RAM (Memory)

This motherboard has 2 memory slots available.

1. Open the clips at both ends of the memory slot.
2. Align the memory module with the slot, ensuring the notch on the module matches the key in the slot.
3. Press down firmly on both ends of the memory module until the clips snap into place.

4. Mounting the Motherboard

1. Install the I/O shield into the rear opening of your computer case.
2. Carefully place the motherboard into the case, aligning the screw holes with the standoffs.
3. Secure the motherboard with screws, but do not overtighten.

5. Connecting Power and Peripherals

- **Main Power:** Connect the 24-Pin ATX power connector from your power supply to the corresponding header on the motherboard.
- **CPU Power:** Connect the 4-pin (or 8-pin) CPU power connector from your power supply to the motherboard.
- **Storage Devices:** Connect SATA or IDE cables to your hard drives and optical drives, and then connect the other end to the motherboard's corresponding ports.
- **Front Panel Connectors:** Connect the power switch, reset switch, HDD LED, power LED, and USB/audio headers from your case to the appropriate pins on the motherboard. Refer to the motherboard's silkscreen labels for correct orientation.
- **Expansion Cards:** Install any PCI graphics cards or other expansion cards into the available PCI slots. Secure them with screws and connect any necessary auxiliary power.

OPERATING INSTRUCTIONS

1. First Boot and BIOS Setup

1. After all components are installed and connected, close your computer case.
2. Connect your monitor, keyboard, and mouse.
3. Plug in the power cord and turn on the power supply.

4. Press the power button on your computer case.
5. During startup, repeatedly press the **DEL** or **F2** key (common keys, may vary) to enter the BIOS/UEFI setup utility.
6. In the BIOS, verify that all installed components (CPU, RAM, storage drives) are detected correctly. Configure boot order to install your operating system.

2. Operating System Installation

This motherboard is compatible with Windows 10 and other operating systems.

1. Insert your operating system installation media (USB drive or DVD).
2. Follow the on-screen prompts to install the operating system.
3. After installation, install all necessary drivers for the motherboard chipset, graphics card, audio, and network. These are typically found on a driver CD included with the motherboard or available for download from the Gateway support website.

3. System Shutdown and Restart

- Always use the operating system's shutdown or restart function to power off or reboot your computer.
- Avoid forcing a shutdown by holding the power button unless the system is unresponsive.

MAINTENANCE

- **Dust Removal:** Periodically clean dust from inside your computer case, especially from CPU coolers, case fans, and heatsinks. Use compressed air or a soft brush. Ensure the system is powered off and unplugged before cleaning.
- **BIOS Updates:** Check the Gateway support website for BIOS updates. Only update the BIOS if necessary and follow the instructions carefully, as an incorrect update can render the motherboard inoperable.
- **Driver Updates:** Keep your system drivers updated for optimal performance and stability.
- **Cable Management:** Ensure internal cables are neatly routed to improve airflow and prevent interference.

TROUBLESHOOTING

No Power / System Does Not Turn On:

- Check if the power supply is plugged in and switched on.
- Verify all power connectors (24-Pin ATX, CPU power) are securely seated on the motherboard.
- Ensure the front panel power switch cable is correctly connected to the motherboard.
- Test the power supply with another system or a power supply tester.

No Display on Monitor:

- Ensure the monitor is powered on and connected to the correct graphics output (either integrated or discrete graphics card).
- Reseat the graphics card (if applicable) and memory modules.
- Try booting with only one memory module installed.
- Check if the CPU fan is spinning. If not, the CPU might not be properly seated or powered.

System Beeps During Startup:

Beep codes indicate specific hardware issues. Refer to the motherboard's beep code guide (often found in a more

detailed manual or online) to diagnose the problem. Common issues include:

- **Short beeps:** Memory issues.
- **Long beeps:** Graphics card issues.
- **Continuous beeps:** Power supply or CPU issue.

Operating System Fails to Load:

- Check boot order in BIOS to ensure the correct drive is selected.
- Verify that the storage drive is properly connected and detected in BIOS.
- Run a diagnostic check on your hard drive.
- Reinstall the operating system if necessary.

SPECIFICATIONS

Brand	Gateway
Model Number	4000684
ASIN	B00456S2K0
CPU Socket	Socket 370
Compatible Processors	Intel Celeron, Intel Pentium
Chipset Type	Intel
Memory Slots Available	2
Main Power Connector Type	24-Pin
Graphics Card Interface	PCI
Compatible Devices	Personal Computer, Server
Platform	Windows 10
Item Weight	3 pounds
Date First Available	September 30, 2010

WARRANTY INFORMATION

This product includes a manufacturer's warranty. For specific terms, conditions, and duration of the warranty, please refer to the documentation included with your original product packaging or visit the official Gateway support website. Proof of purchase may be required for warranty claims.

CUSTOMER SUPPORT

For technical assistance, driver downloads, or further support regarding your Gateway Intel A19243 Skt370 PIII Motherboard, please visit the official Gateway support website. You may also find FAQs and community forums there. *Note:* Always have your product model number (4000684) and serial number ready when contacting support.

