

Intel SLAPC

Intel Core 2 Duo CPU SLAPC Processor Instruction Manual

Model: SLAPC

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Intel Core 2 Duo CPU, model SLAPC. Please read these instructions carefully before proceeding with installation to ensure optimal performance and longevity of your processor and system.

PRODUCT OVERVIEW

The Intel Core 2 Duo Processor SLAPC is a dual-core CPU designed for desktop computing. Key features include:

- **Processor Model:** SLAPC
- **CPU Manufacturer:** Intel
- **CPU Socket:** LGA 775
- **Processor Count:** 2 (Dual Core)
- **Clock Speed:** 2.53 GHz
- **Front Side Bus (FSB):** 1066 MHz
- **L2 Cache:** 3 MB



Image 1: Top view of the Intel Core 2 Duo CPU SLAPC processor, showing the integrated heat spreader with Intel branding and model information.

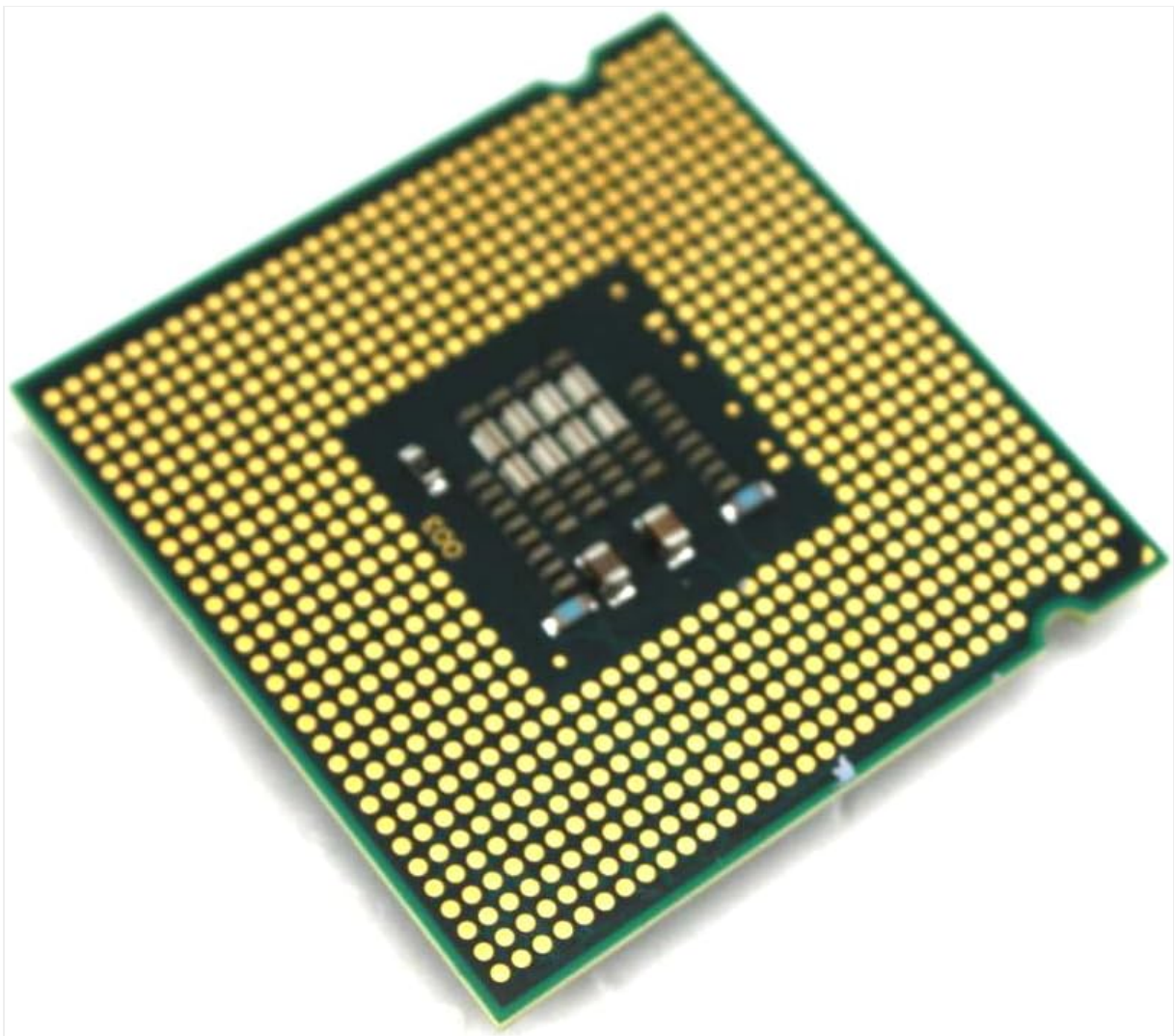


Image 2: Bottom view of the Intel Core 2 Duo CPU SLAPC processor, displaying the LGA 775 contact pads for motherboard connection.

SETUP AND INSTALLATION

Proper installation is crucial for the stability and performance of your system. Always handle the CPU with care to avoid damage to the pins or contact pads.

1. **Prepare Your Workspace:** Ensure your workspace is clean, well-lit, and free of static electricity. Use an anti-static wrist strap or frequently touch a grounded metal object before handling components.
2. **Open the CPU Socket:** Locate the LGA 775 socket on your motherboard. Gently lift the retention lever and open the metal load plate.
3. **Install the CPU:** Carefully align the CPU with the socket. The CPU has notches that correspond to keys on the socket. Do not force the CPU into place; it should sit gently and evenly in the socket.
4. **Secure the CPU:** Close the metal load plate over the CPU and push down the retention lever until it locks into place.
5. **Apply Thermal Paste:** Apply a small amount (pea-sized dot) of high-quality thermal paste to the center of the CPU's integrated heat spreader (IHS). This ensures efficient heat transfer to the CPU cooler.
6. **Install CPU Cooler:** Mount the compatible CPU cooler according to its manufacturer's instructions. Ensure it makes firm, even contact with the CPU's IHS. Connect the cooler's fan cable to the designated CPU_FAN header on the motherboard.

Caution: Incorrect installation can lead to system instability, overheating, or permanent damage to the CPU or motherboard. If unsure, consult a qualified technician.

OPERATING GUIDELINES

Once installed, the Intel Core 2 Duo CPU operates automatically within your system. Ensure adequate cooling and power supply for stable operation.

- **System Cooling:** Maintain good airflow within your computer case to prevent heat buildup. Ensure all case fans are functioning correctly.
- **Power Supply:** Use a power supply unit (PSU) that meets or exceeds the power requirements of all your system components, including the CPU.
- **BIOS/UEFI Settings:** For optimal performance, ensure your motherboard's BIOS/UEFI is updated and configured correctly. Avoid unnecessary overclocking unless you have advanced knowledge and proper cooling.
- **Driver Updates:** Keep your motherboard chipset drivers updated to ensure proper communication and performance with the CPU.

MAINTENANCE

Regular maintenance helps prolong the life and maintain the performance of your CPU and system.

- **Dust Removal:** Periodically clean dust from the CPU cooler heatsink and fan using compressed air. Ensure the system is powered off and unplugged before cleaning.
- **Thermal Paste:** If CPU temperatures become consistently high, consider reapplying thermal paste. This typically involves removing the CPU cooler, cleaning off old paste, and applying new paste.
- **Temperature Monitoring:** Use system monitoring software to keep an eye on CPU temperatures. High temperatures can indicate cooling issues.

TROUBLESHOOTING

If you encounter issues, consider the following common troubleshooting steps:

- **System Not Booting/No Display:**
 - Verify the CPU is correctly seated in its socket.
 - Ensure the CPU cooler is properly installed and its fan is connected.
 - Check all power connections to the motherboard and CPU.
 - Test with a single stick of RAM if multiple are installed.
- **Overheating:**
 - Clean dust from the CPU cooler and case fans.
 - Verify the CPU cooler is making good contact with the CPU.
 - Consider reapplying thermal paste.
 - Ensure adequate case airflow.
- **System Instability/Crashes:**
 - Check CPU temperatures.
 - Ensure RAM is compatible and properly seated.
 - Update motherboard BIOS/UEFI and chipset drivers.
 - Run diagnostic tools for CPU and memory.

SPECIFICATIONS

Feature	Detail
Brand	Intel
CPU Manufacturer	Intel
CPU Socket	LGA 775
Processor Count	2
Clock Speed	2.53 GHz (from product title)
Front Side Bus (FSB)	1066 MHz (from product title)
Cache Memory Installed Size	3 MB (L2 Cache)
Model Number (Mfr Part Number)	SLAPC
Item Weight	16 ounces
UPC	791398663051
ASIN	B010QWXLPM

WARRANTY AND SUPPORT

For specific warranty information regarding your Intel Core 2 Duo CPU SLAPC processor, please refer to the documentation provided by your vendor or visit the official Intel support website. Warranty terms may vary based on region and point of purchase.

Intel Support: For technical assistance, drivers, and further product information, please visit the official Intel support portal: [Intel Processors Support](#)