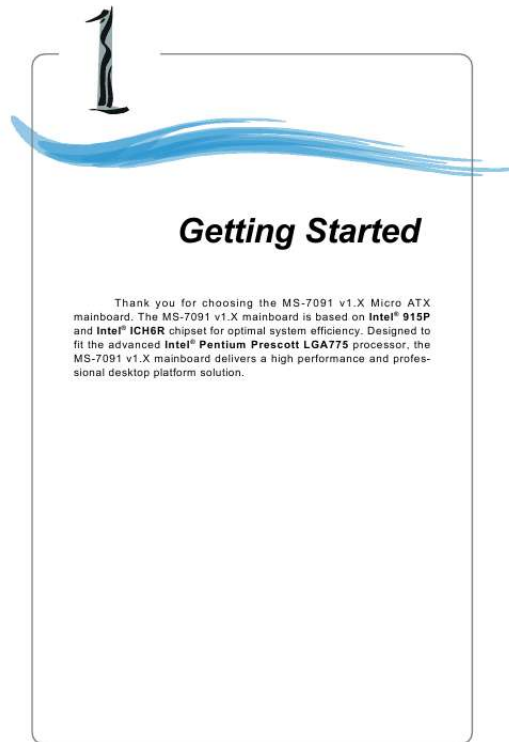




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You can read the recommendations in the user guide, the technical guide or the installation guide for MSI MS-7091. You'll find the answers to all your questions on the MSI MS-7091 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual MSI MS-7091**  
**User guide MSI MS-7091**  
**Operating instructions MSI MS-7091**  
**Instructions for use MSI MS-7091**  
**Instruction manual MSI MS-7091**



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MSI MS-7091](#)

**Manual abstract:**

2-21 IDE1, p.2-15 JF\_P1, p.2-19 SATA1~SATA4, p.2-16 JAUDI, p.2-17 JVID1, p.2-19 JL\_IN1, p.2-19 JBAT1, p.2-20 JUSB1, p.2-18 JUSB2, p.2-19 2-2 Hardware Setup Central Processing Unit: CPU The mainboard supports Intel® Pentium 4 Prescott processor.

The mainboard uses a CPU socket called LGA775. When you are installing the CPU, make sure to install the cooler to prevent overheating. If you do not have the CPU cooler, contact your dealer to purchase and install them before turning on the computer. For the latest information about CPU, please visit [http://www.msi.com.tw/program/products/mainboard/mbd/pro\\_mbd\\_cpu\\_support.php](http://www.msi.com.tw/program/products/mainboard/mbd/pro_mbd_cpu_support.php).

**MSI Reminds You. Overheating** Overheating will seriously damage the CPU and system, always make sure the cooling fan can work properly to protect the CPU from overheating.

**Replacing the CPU** While replacing the CPU, always turn off the ATX power supply or unplug the power supply's power cord from grounded outlet first to ensure the safety of CPU. **Overclocking** This motherboard is designed to support overclocking. However, please make sure your components are able to tolerate such abnormal setting, while doing overclocking. Any attempt to operate beyond product specifications is not recommended. We do not guarantee the damages or risks caused by inadequate operation or beyond product specifications. **Introduction to LGA 775 CPU** The pin-pad side of LGA 775 CPU. The surface of LGA 775 CPU. Remember to apply some silicone heat transfer compound on it for better heat dispersion. **Alignment Key** Alignment Key Yellow triangle is the Pin 1 indicator Yellow triangle is the Pin 1 indicator **2-3 MS-7091 M-ATX Mainboard CPU & Cooler Installation** When you are installing the CPU, make sure the CPU has a cooler attached on the top to prevent overheating. If you do not have the cooler, contact your dealer to purchase and install them before turning on the computer.

Meanwhile, do not forget to apply some silicon heat transfer compound on CPU before installing the heat sink/cooler fan for better heat dispersion. Follow the steps below to install the CPU & cooler correctly. Wrong installation will cause the damage of your CPU & mainboard. 1. The CPU has a plastic cap on it to protect the contact from damage. Before you install the CPU, always cover it to protect the socket pin. 2. Remove the cap from lever hinge side (as the arrow shows). 3. The pins of socket reveal.

4. Open the load lever. 2-4 Hardware Setup 5. Lift the load lever up and open the load plate. 6.

After confirming the CPU direction for correct mating, put down the CPU in the socket housing frame. Be sure to grasp on the edge of the CPU base. Note that the alignment keys are matched. alignment key 7. Visually inspect if the CPU is seated well into the socket.

If not, take out the CPU with pure vertical motion and reinstall. 8. Cover the load plate onto the package. 2-5 MS-7091 M-ATX Mainboard 9. Press down the load lever lightly onto the load plate, and then secure the lever with the hook under retention tab. 10. Align the holes on the mainboard with the heatsink. Push down the cooler until its four clips get wedged into the holes of the mainboard. 11. Press the four hooks down to fasten the cooler.

Then rotate the locking switch (refer to the correct direction marked on it) to lock the hooks. 12. Turn over the mainboard to confirm that the clip-ends are correctly inserted. locking switch **MSI Reminds You.** 1. Confirm if your CPU cooler is firmly installed before turning on your system. 2. Do not touch the CPU socket pins to avoid damaging. 3. Whenever CPU is not installed, always protect your CPU socket pin with the plastic cap covered (shown in Figure 1) to avoid damaging.

4. Please note that the mating/unmating durability of the CPU is 20 cycles. Therefore we suggest you do not plug/unplug the CPU too often. 2-6 Hardware Setup Memory The mainboard provides 4 slots for 184-pin DDR SDRAM DIMM (Double InLine Memory Module) modules and supports the memory size up to 4GB. You can install DDR400/DDR333 modules on the DDR DIMM slots (DIMM 1~4).

**DDR DIMM Slots (DIMM 1~4)** Introduction to DDR SDRAM DDR (Double Data Rate) SDRAM is similar to conventional SDRAM, but doubles the rate by transferring data twice per cycle. It uses 2.5 volts as opposed to 3..



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