

Denash Denashsn8m4khq9x

Denash B75 Motherboard User Manual

Model: Denashsn8m4khq9x

INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your Denash B75 Motherboard. Please read this manual thoroughly before proceeding with installation to ensure proper setup and optimal performance.

The Denash B75 Motherboard is designed for LGA 1155 processors, supporting Intel Core i3, i5, i7 (2nd and 3rd generation), Intel Celeron G, and Intel Pentium G series CPUs. It features DDR3 memory support, M.2 NVMe/NGFF interface, and various expansion slots and ports for a versatile computing experience.

1. SETUP AND INSTALLATION

Before beginning installation, ensure your system is powered off and disconnected from the power source. Handle the motherboard by its edges to avoid static discharge.

1.1 CPU Installation

Follow these steps to correctly install the CPU onto the LGA 1155 socket:



Image: Visual guide for CPU installation, showing steps to open the socket, align the CPU, and secure it.

- Step 1:** Press down on the lever located next to the CPU socket and gently lift it to open the CPU retention frame.
- Step 2:** Open the CPU cover.
- Step 3:** Carefully align the triangle symbols on the CPU and the socket. Gently place the CPU into the socket without forcing it.
- Step 4:** Remove the CPU plastic cover (if present) after the CPU is seated.
- Step 5:** Align the groove with the screw hole and lower the lever to secure the CPU in place.

Important: Do not touch the CPU contacts with your hands. Do not touch the CPU pins on the motherboard.

Improper handling can cause damage.

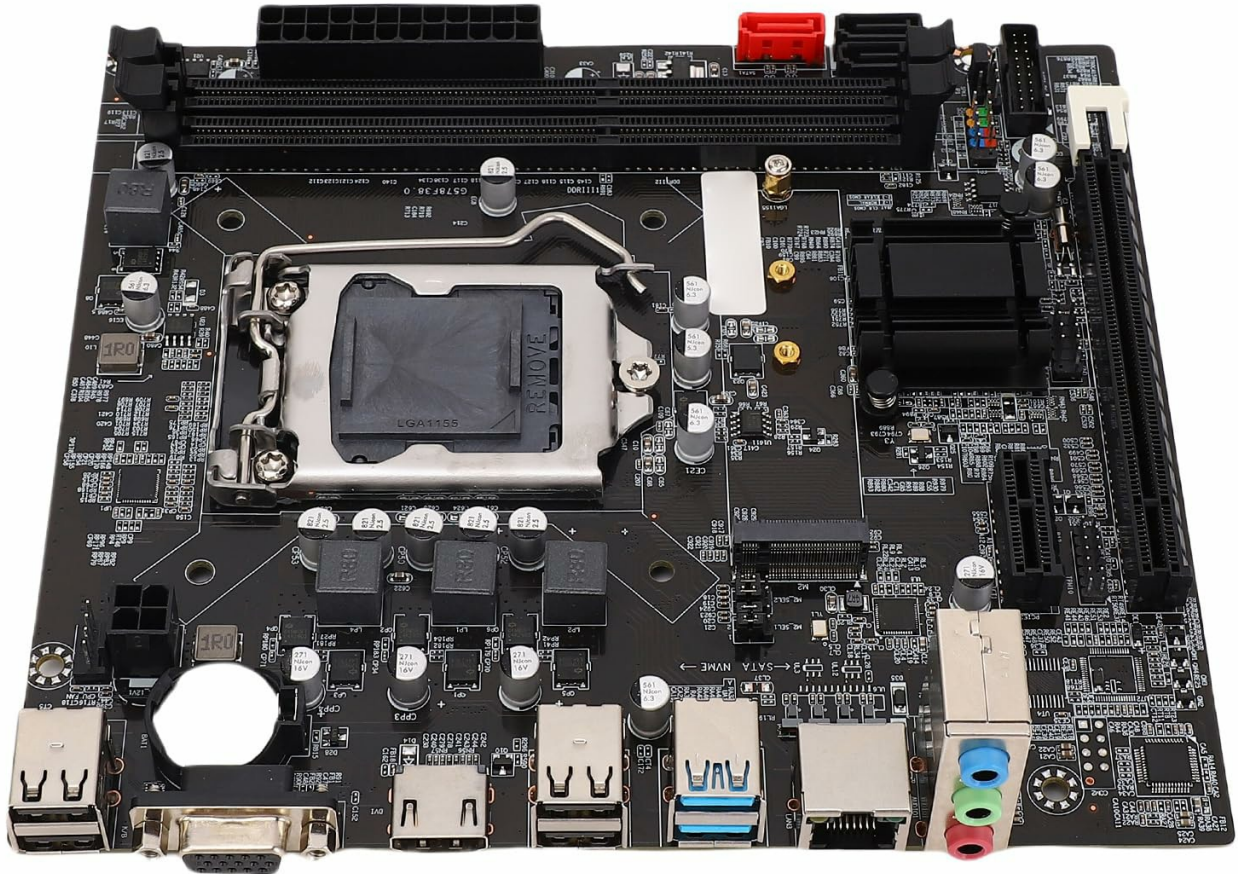


Image: Overview of the Denash B75 Motherboard, highlighting the LGA 1155 CPU socket and surrounding components.

1.2 Memory (RAM) Installation

The motherboard supports DDR3 memory modules. It features two 240-pin DDR3 SDRAM slots, supporting up to 16GB in dual-channel mode at frequencies of 1066, 1333, and 1600MHz.

1. Open the clips at both ends of the DIMM slot.
2. Align the notch on the DDR3 memory module with the key in the DIMM slot.
3. Press down firmly on both ends of the memory module until the clips snap into place.

B75 *Computer Motherboard*

LGA 1155 Micro-ATX



Image: Close-up of the motherboard's two DDR3 memory slots, illustrating their dual-channel capability.

1.3 Storage Device Installation

The motherboard provides multiple options for storage:

- **M.2 Interface:** Supports both NVMe and NGFF connections. Users can switch between PCIe and SATA 3.0 (6GB/s) modes.
- **SATA Ports:** Includes one SATA 3.0 port and two SATA 2.0 ports for traditional hard drives and SSDs.

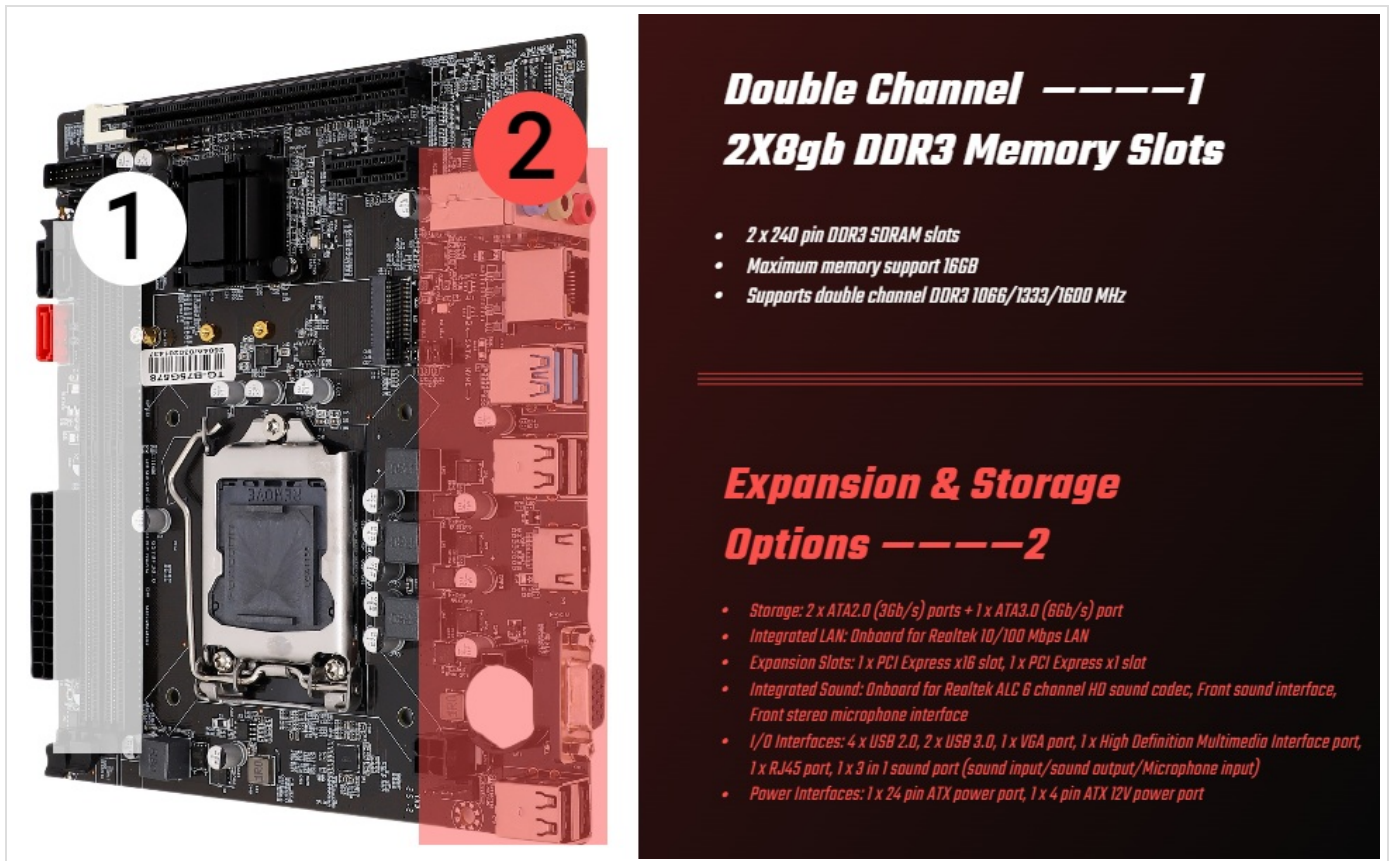


Image: The Denash B75 Motherboard showing the M.2 slot and SATA ports for storage connectivity.

1.4 Expansion Cards

The motherboard includes:

- 1 x PCI Express x16 slot for graphics cards.
- 1 x PCI Express x1 slot for other expansion cards.

Insert expansion cards firmly into their respective slots until they are fully seated and secured with the case's retention mechanism.

1.5 Power Connection

Connect the 24-pin ATX power connector and the 4-pin CPU power connector from your power supply unit (PSU) to the corresponding sockets on the motherboard. Ensure connections are secure to maintain circuit reliability.

1.6 Connecting Peripherals

Connect your monitor, keyboard, mouse, and other peripherals to the appropriate ports on the motherboard's rear I/O panel.



Image: Close-up view of the motherboard's rear I/O panel, showing USB, VGA, HDMI, RJ45, and audio ports.

2. OPERATING INSTRUCTIONS

2.1 Initial Boot-up

After all components are installed and connected, power on your system. The system should initiate the Power-On Self-Test (POST) and display the BIOS/UEFI splash screen.

2.2 BIOS/UEFI Access

To enter the BIOS/UEFI setup utility, press the designated key (usually **Del** or **F2**) during the POST sequence. Here you can configure system settings, boot order, and monitor hardware status.

2.3 Operating System Installation

Insert your operating system installation media (USB drive or DVD) and configure the boot order in BIOS/UEFI to boot from the installation media. Follow the on-screen prompts to install your operating system.

2.4 Driver Installation

After installing the operating system, install the necessary drivers for the motherboard chipset, audio, LAN, and any other integrated components. Drivers are typically provided on a support CD or can be downloaded from the manufacturer's website.

2.5 Video Output

The motherboard supports 1080p HD video output via VGA and HDMI ports, provided your CPU supports integrated graphics. This allows for high-definition display without a dedicated graphics card.



Image: The motherboard's rear I/O panel, highlighting the VGA and HDMI ports for video output.

3. MAINTENANCE

Regular maintenance helps ensure the longevity and stable operation of your motherboard and system.

- **Dust Removal:** Periodically clean dust from inside your computer case, especially from heatsinks and fans, using compressed air. Ensure the system is powered off and unplugged before cleaning.
- **BIOS Updates:** Check the manufacturer's website for BIOS/UEFI updates. Updates can improve compatibility, stability, and performance. Follow the update instructions carefully to avoid system damage.

- **Component Checks:** Ensure all cables and components are securely seated. Loose connections can lead to instability.

4. TROUBLESHOOTING

If you encounter issues, refer to the following common troubleshooting steps:

- **No Power:**
 - Check if the power supply unit (PSU) is connected correctly and switched on.
 - Ensure the 24-pin and 4-pin power connectors are firmly seated on the motherboard.
 - Verify the power button cable from the case is correctly connected to the motherboard's front panel header.
- **No Display:**
 - Ensure the monitor is connected to the correct video output port (VGA or HDMI) and is powered on.
 - If using a dedicated graphics card, ensure it is properly seated in the PCIe x16 slot and has auxiliary power connected (if required).
 - If your CPU has integrated graphics, try connecting the monitor to the motherboard's video output ports directly.
 - Reseat RAM modules.
- **System Instability/Crashes:**
 - Check for proper CPU and GPU cooling.
 - Ensure RAM modules are compatible and correctly installed.
 - Update drivers and BIOS/UEFI to the latest versions.
 - Test components individually if possible.
- **Storage Not Detected:**
 - Verify SATA data and power cables are securely connected to both the drive and the motherboard.
 - For M.2 drives, ensure it is correctly seated and secured. Check BIOS settings for M.2 mode (NVMe/SATA).

If problems persist, consult the Denash support website or contact your retailer for further assistance.

5. SPECIFICATIONS

Below are the detailed specifications for the Denash B75 Motherboard:

Feature	Description
Brand	Denash
Model Name	Denashsn8m4khq9x
Chipset Type	Intel B75 Express
CPU Socket	LGA 1155
Compatible Processors	Intel Core i3, i5, i7 (2nd and 3rd generation), Intel Celeron G, Intel Pentium G
RAM Memory Technology	DDR3
Memory Slots Available	2 (Dual Channel)

Feature	Description
Memory Clock Speed	1066, 1333, 1600 MHz
Maximum RAM Capacity	16 GB
Graphics Card Interface	PCI Express x16
Total PCIe Ports	1 x PCIe x16, 1 x PCIe x1
Storage Interfaces	1 x M.2 (NVMe/NGFF, PCIe/SATA 3.0), 1 x SATA 3.0 (6GB/s), 2 x SATA 2.0
USB Ports	4 x USB 2.0, 2 x USB 3.0 (rear I/O)
Video Output	VGA, HDMI (requires CPU with integrated graphics)
LAN	RJ45 Port
Audio	3-in-1 Audio Ports
Main Power Connector	24+4 pin
Dimensions	Approx. 19cm x 17cm (7.48in x 6.69in)



Image: Diagram showing the approximate dimensions of the Denash B75 Motherboard.

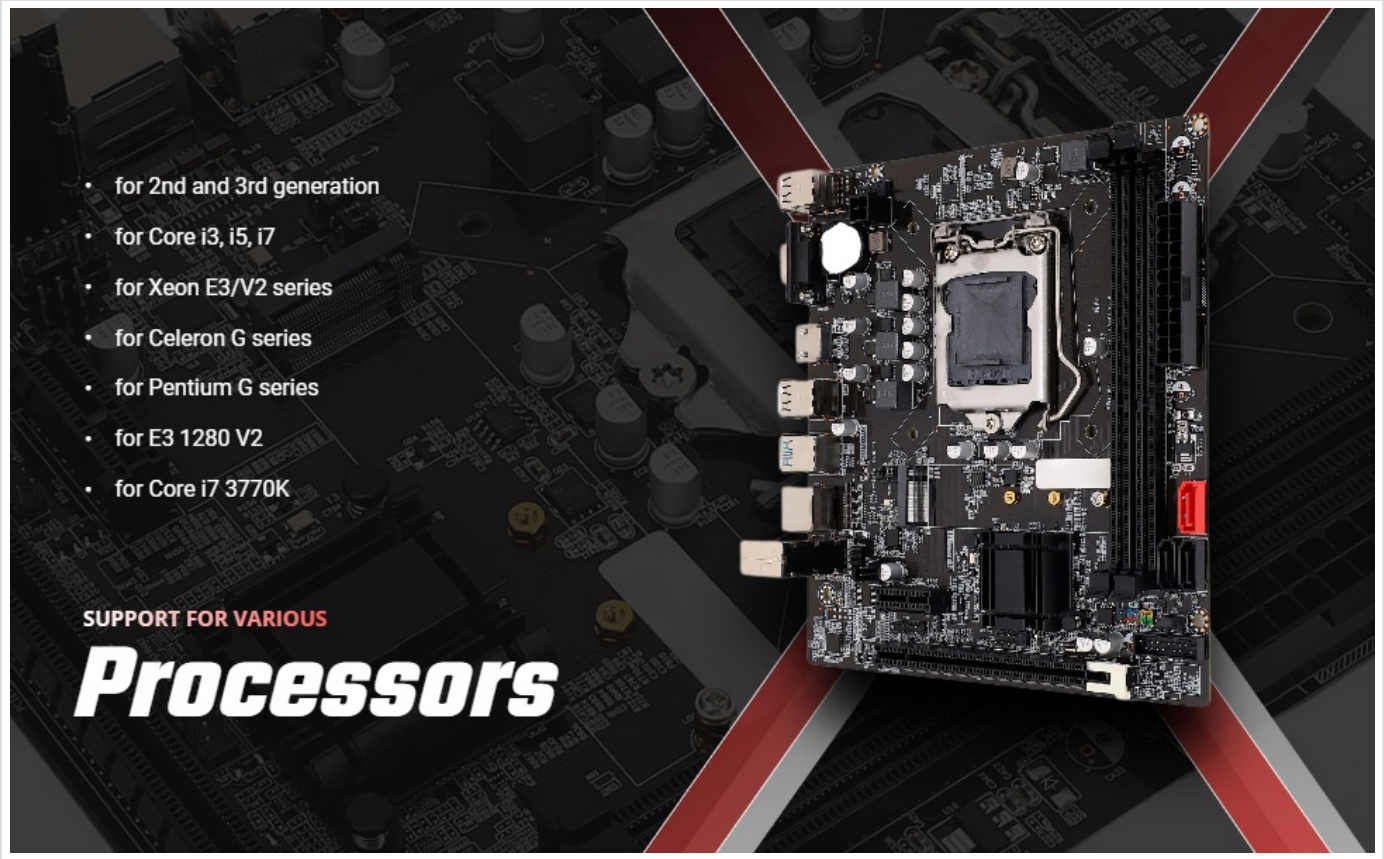


Image: Overview of the motherboard's construction, highlighting the 8-layer PCB and 6-phase power supply for durability.

6. WARRANTY INFORMATION

Specific warranty terms and conditions for the Denash B75 Motherboard may vary by region and retailer. Please retain your proof of purchase and refer to the warranty policy provided by your point of sale or the official Denash website for

detailed information regarding warranty coverage, duration, and claims process.

7. SUPPORT

For technical support, driver downloads, or further assistance, please visit the official Denash support website. You may also contact your retailer for product-related inquiries.

Online Resources:

- Denash Official Website (if available, provide link)
- Driver Downloads (if available, provide link)

When contacting support, please have your motherboard model number (Denashsn8m4khq9x) and purchase information readily available.

