

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

Manuals.plus /

› [FidgetGear](#) /

› IPM81-SV REV:1.01 822766-001 822766-601 1155 DDR3 Desktop Motherboard User Manual

FidgetGear IPM81-SV REV:1.01

FidgetGear IPM81-SV REV:1.01 Desktop Motherboard User Manual

Model: IPM81-SV REV:1.01

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the FidgetGear IPM81-SV REV:1.01 Desktop Motherboard. Please read this manual thoroughly before proceeding with installation to ensure proper functionality and to prevent damage to the components.

The IPM81-SV REV:1.01 is a desktop motherboard designed for Intel LGA 1155 processors, supporting DDR3 RAM. It is suitable for building or upgrading personal computer systems.

SAFETY INFORMATION

Always observe the following safety precautions when handling computer components:

- Ensure your hands are clean and dry before handling the motherboard.
- Wear an anti-static wrist strap or frequently touch a grounded metal object to discharge static electricity.
- Disconnect the power supply from the wall outlet before installing or removing any components.
- Avoid touching the pins or connectors directly.
- Keep the motherboard away from liquids and extreme temperatures.

MOTHERBOARD COMPONENTS OVERVIEW

Familiarize yourself with the key components and connectors on the IPM81-SV REV:1.01 motherboard.

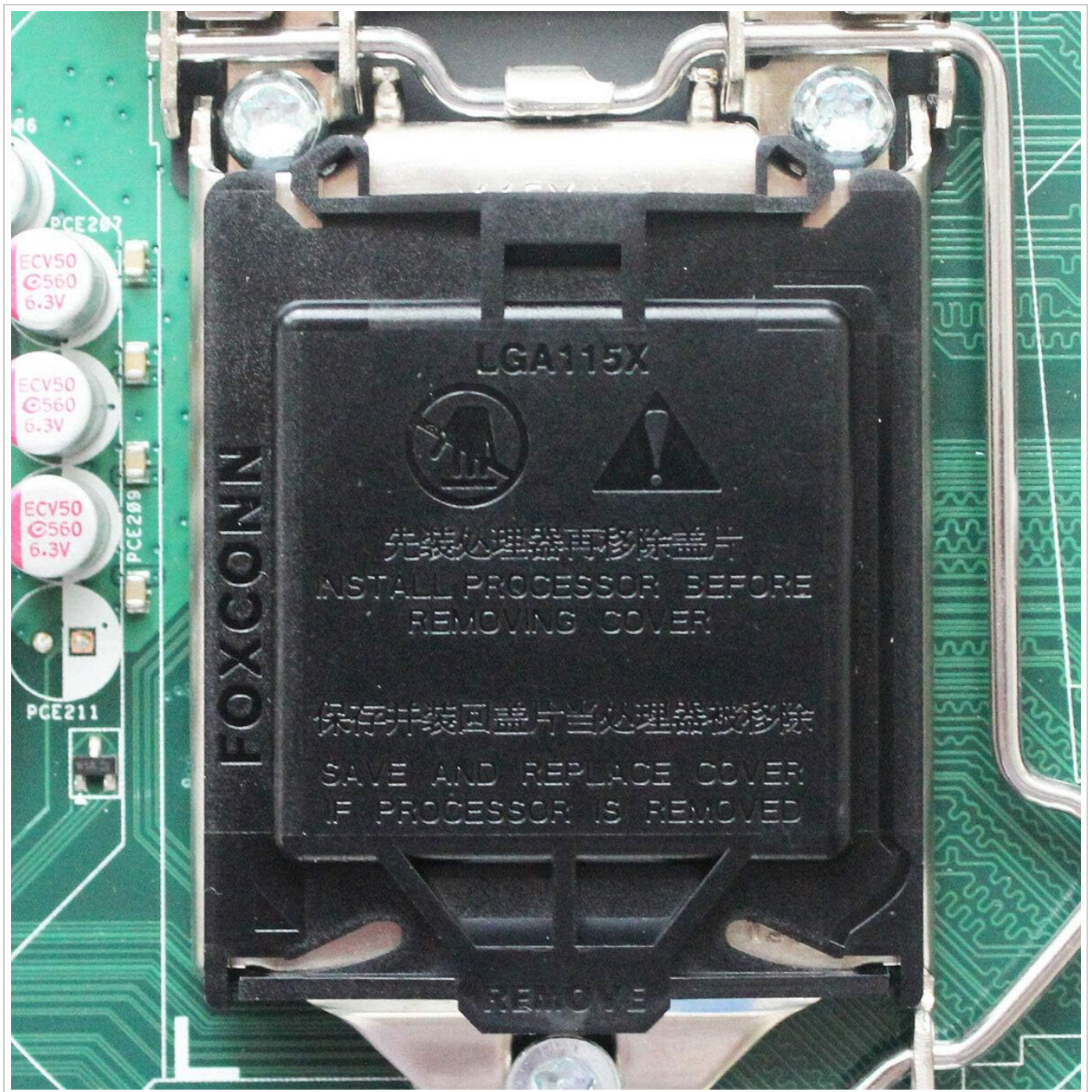


Figure 2: Close-up view of the LGA 1155 CPU socket, indicating the protective cover and installation instructions for the processor.

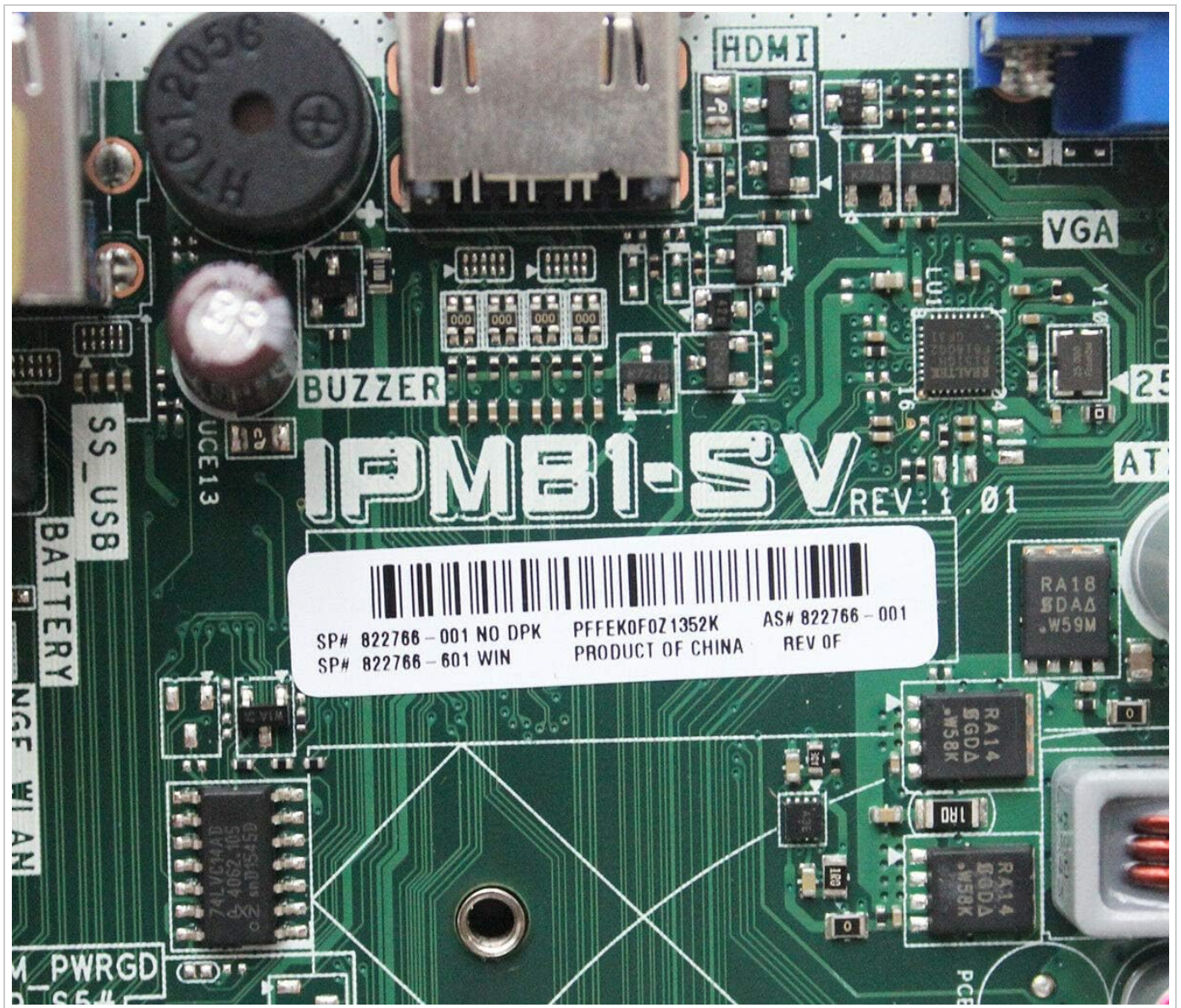


Figure 3: Close-up view of the motherboard's model number (IPM81-SV REV:1.01) and serial information. The serial number PFFEK0F0Z1352K is visible on the label.

For product verification or support, refer to the serial number: [PFFEK0F0Z1352K](#)



Figure 4: Rear I/O panel of the IPM81-SV REV:1.01 motherboard, showing ports for Ethernet, VGA, HDMI, USB 2.0, USB 3.0, and audio jacks.

SETUP AND INSTALLATION

1. Preparing for Installation

- Ensure you have a compatible CPU (Intel Core i3-2100, i5-2400, i7-2600, i3-3220, i5-3450, i7-3770, etc.) and DDR3

RAM modules.

- Gather necessary tools: Phillips head screwdriver, anti-static wrist strap.
- Prepare your computer case by installing standoffs for the motherboard.

2. CPU Installation

1. Gently lift the CPU socket lever.
2. Carefully remove the protective plastic cover from the LGA 1155 socket. *Retain this cover for future use if the CPU is removed.*
3. Align the CPU with the socket, matching the golden triangle on the CPU with the triangle on the socket.
4. Lower the CPU straight down into the socket without forcing it.
5. Close the load plate and press down the lever until it locks into place.
6. Apply thermal paste to the CPU and install the CPU cooler.

3. RAM Installation

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

4. Motherboard Installation into Case

1. Carefully place the motherboard into the computer case, aligning the screw holes with the standoffs.
2. Secure the motherboard with screws.
3. Install the I/O shield into the case's rear opening.

5. Connecting Peripherals and Power

- Connect the 24-pin ATX power connector from the power supply to the motherboard.
- Connect the 4-pin or 8-pin CPU power connector.
- Connect front panel connectors (power button, reset button, HDD LED, power LED) to the appropriate headers on the motherboard. Refer to your case manual for specific pin assignments.
- Connect SATA data cables to your storage drives and the motherboard's SATA ports.
- Install any necessary expansion cards (e.g., graphics card) into the PCI Express slot.
- Connect USB headers, audio headers, and other internal cables.

OPERATING INSTRUCTIONS

1. First Boot and BIOS Setup

1. After all components are installed and connected, connect the power cord to the power supply and turn on the power switch.
2. Press the power button on your computer case.
3. During startup, repeatedly press the **DEL** or **F2** key (or as indicated on screen) to enter the BIOS/UEFI setup utility.
4. In the BIOS, verify that all installed components (CPU, RAM, storage drives) are detected correctly.
5. Set the boot order to prioritize your operating system installation media (USB drive or DVD).
6. Save changes and exit the BIOS. The system will restart.

2. Operating System Installation

Follow the on-screen instructions to install your preferred operating system (e.g., Windows, Linux). Ensure you have the necessary drivers for the motherboard's chipset, audio, and network components. These can typically be found on the manufacturer's website or included with your operating system.

3. Driver Installation

After the operating system is installed, install the latest drivers for the Intel H81 chipset, integrated graphics (if applicable), audio, and network controller. Installing the correct drivers ensures optimal performance and stability.

MAINTENANCE

Proper maintenance can extend the lifespan of your motherboard and ensure stable operation.

- **Dust Removal:** Periodically clean dust from the motherboard and components using compressed air. Ensure the system is powered off and unplugged before cleaning.
- **BIOS Updates:** Check the manufacturer's website for BIOS updates. Updates can improve compatibility, stability, and performance. Follow the update instructions carefully to avoid damaging the motherboard.
- **Driver Updates:** Keep your system drivers updated to the latest versions.
- **Environmental Control:** Operate the computer in a well-ventilated area, away from direct sunlight, excessive heat, and humidity.

TROUBLESHOOTING

Problem	Possible Cause	Solution
System does not power on.	Power cables not connected; faulty power supply; front panel connectors incorrect.	Check 24-pin and CPU power connectors. Verify power supply functionality. Recheck front panel header connections.
No display on monitor.	RAM not seated correctly; faulty graphics card (if dedicated); monitor cable loose.	Reseat RAM modules. Ensure graphics card is fully seated. Check monitor cable connections. Test with integrated graphics if available.
System reboots unexpectedly.	Overheating; unstable power supply; faulty RAM.	Ensure CPU cooler is properly installed. Check power supply. Test RAM modules individually.
Operating system not detected.	Incorrect boot order; faulty storage drive; loose SATA cable.	Check BIOS boot order. Verify SATA cable connections. Test storage drive.

SPECIFICATIONS

Feature	Detail
Model Name	IPM81-SV REV:1.01
Brand	FidgetGear
CPU Socket	LGA 1155

Feature	Detail
Compatible Processors	Intel Core i3-2100, Intel Core i5-2400, Intel Core i7-2600, Intel Core i3-3220, Intel Core i5-3450, Intel Core i7-3770 (and other compatible LGA 1155 CPUs)
Chipset Type	Intel H81
RAM Memory Technology	DDR3
Memory Slots Available	2
Main Power Connector Type	24-Pin ATX
Graphics Card Interface	PCI Express
Compatible Devices	Personal Computer

WARRANTY AND SUPPORT

For warranty information and technical support, please contact FidgetGear customer service or visit their official website. Keep your purchase receipt and the product's serial number (PFFEK0F0Z1352K) handy for any inquiries.

Manufacturer: FidgetGear

Date First Available: October 4, 2019

