

TP.V56.PB826

Generic TP.V56.PB826 LCD Universal Motherboard Instruction Manual

Model: TP.V56.PB826

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of the Generic TP.V56.PB826 LCD Universal Motherboard. This motherboard is designed as a versatile replacement component for various LCD display systems. It is compatible with and can replace models such as TP.V56.PB816, SKR.PB816, TP.RD8503.PB816, and TP.V56.PB832. Please read this manual thoroughly before proceeding with any installation or operation to ensure proper functionality and safety.

2. PRODUCT OVERVIEW

The TP.V56.PB826 is a universal LCD driver board designed to provide comprehensive control for various display panels. It integrates essential components for video processing, power management, and input/output connectivity. The package typically includes a remote control for convenient operation.

TP.V56.PB826

可替代：

TP.V56.PB816

SKR.PB816

TP.RD8503.PB816

TP.V56.PB832



Figure 2.1: TP.V56.PB826 LCD Universal Motherboard.

This image displays the TP.V56.PB826 universal motherboard. Key areas are marked 'HOT' and 'COLD', indicating thermal zones. The board features multiple input/output ports including USB, VGA, and HDMI, along with connectors for LCD panels. It is identified as a replacement for models such as TP.V56.PB816, SKR.PB816, TP.RD8503.PB816, and TP.V56.PB832. A remote control is also mentioned as included.

Key Features:

- Universal compatibility with various LCD panels.
- Integrated video processing capabilities.
- Multiple input ports including HDMI, VGA, and USB.
- Power management circuitry.
- Support for Intel Core i9 processors (LGA 1200 socket).
- Includes a remote control for user convenience.

3. SETUP AND INSTALLATION

Important Safety Notice: Installation of this motherboard requires technical expertise. Incorrect installation can lead to damage to the product or other components, and may pose electrical hazards. If you are unsure about any step, seek professional assistance. Always disconnect power from the display unit before beginning installation.

3.1 Pre-Installation Checklist:

- Ensure the display unit is powered off and unplugged.
- Gather necessary tools (screwdrivers, anti-static wrist strap).
- Verify compatibility with your specific LCD panel and power supply.
- Familiarize yourself with the layout of the new motherboard and the existing connections.

3.2 Installation Steps:

1. Carefully remove the back cover of your display unit to access the existing motherboard.
2. Disconnect all cables from the old motherboard, noting their positions for re-connection.
3. Remove the old motherboard from its mounting points.
4. Position the new TP.V56.PB826 motherboard and secure it using appropriate screws.
5. Connect the LCD panel cable (LVDS), backlight inverter cable, power supply cable, and any other necessary cables (e.g., speakers, control panel buttons) to the new motherboard.
6. Connect external input cables such as HDMI, VGA, or USB as required.
7. Before re-attaching the back cover, perform a preliminary power-on test to ensure basic functionality.
8. If the test is successful, power off the unit, unplug it, and re-attach the back cover.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off:

- Connect the display unit to a power source.
- Press the power button on the display unit or the remote control to turn it on.
- To turn off, press the power button again.

4.2 Input Source Selection:

- Use the "Source" or "Input" button on the remote control to cycle through available input sources (HDMI, VGA, USB, etc.).
- Select the desired input source corresponding to your connected device.

4.3 Menu Navigation:

- Press the "Menu" button on the remote control to access the on-screen display (OSD) menu.
- Use the arrow keys to navigate through menu options.
- Press "OK" or "Enter" to select an option or confirm a setting.
- Press "Exit" or "Menu" again to close the OSD menu.

4.4 Remote Control Functions:

The included remote control provides convenient access to power, input selection, volume, menu navigation, and other display settings. Refer to the remote control's specific button layout for detailed functions.

5. MAINTENANCE

5.1 Cleaning:

- Ensure the display unit is powered off and unplugged before cleaning.
- Use a soft, dry cloth to gently wipe the exterior of the display.
- Avoid using liquid cleaners or abrasive materials directly on the motherboard or internal components.
- For internal cleaning (if necessary), use compressed air to remove dust from vents and components, ensuring proper ventilation.

5.2 Ventilation:

Ensure that the display unit's ventilation openings are not blocked to prevent overheating. Adequate airflow is crucial for the longevity of the motherboard and other internal components.

6. TROUBLESHOOTING

If you encounter issues with your display unit after installing the TP.V56.PB826 motherboard, refer to the following common troubleshooting steps:

6.1 No Power:

- Check if the power cable is securely connected to both the display unit and the power outlet.
- Verify that the power outlet is functional.
- Ensure all internal power connections to the motherboard are secure.

6.2 No Display/Black Screen:

- Confirm that the input source is correctly selected on the display unit (e.g., HDMI 1, VGA).
- Check the connection of the video cable (HDMI, VGA) from the source device to the display.
- Ensure the LVDS cable connecting the motherboard to the LCD panel is properly seated.
- Verify that the backlight inverter cable is correctly connected.
- Test with a different input source or device if possible.

6.3 Remote Control Not Responding:

- Check and replace the batteries in the remote control.
- Ensure there are no obstructions between the remote control and the display unit's IR receiver.

If these steps do not resolve the issue, it is recommended to consult a qualified technician.

7. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Brand	Generic
Model Name	TP.V56.PB826
CPU Socket	LGA 1200
Compatible Devices	Personal Computer
Compatible Processors	Intel Core i9-49xx, Intel Core i9-59xx
Chipset Type	Intel Z97
CPU Model	Intel Core i9
Main Power Connector Type	24-Pin
Graphics Card Interface	PCI Express
Memory Slots Available	2
Processor Socket	LGA 1200
Number of Ports	3
Total SATA Ports	1
Number of Ethernet Ports	1
Total Number of HDMI Ports	1
Total PCIe Ports	2
Model Number	8012111521680

8. WARRANTY AND SUPPORT

Specific warranty information for the Generic TP.V56.PB826 LCD Universal Motherboard is not provided in the product details. Please refer to the retailer or seller from whom you purchased the product for details regarding warranty coverage and support options.

For technical assistance or further inquiries, please contact your point of purchase or the manufacturer if contact information is available.

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question