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> [IBM X366 PCI-X Board User Manual](#)

IBM 40K0235

IBM X366 PCI-X Board User Manual

Model: 40K0235

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the IBM X366 PCI-X Board. This board is designed for enterprise IT hardware systems and is not intended for use in standard personal computers or laptops.

Please read this manual thoroughly before attempting any installation or operation to ensure safe and efficient use of the product.

PRODUCT OVERVIEW

The IBM X366 PCI-X Board is a critical component for expanding the capabilities of compatible enterprise server systems. It features multiple PCI-X slots for integrating various expansion cards.

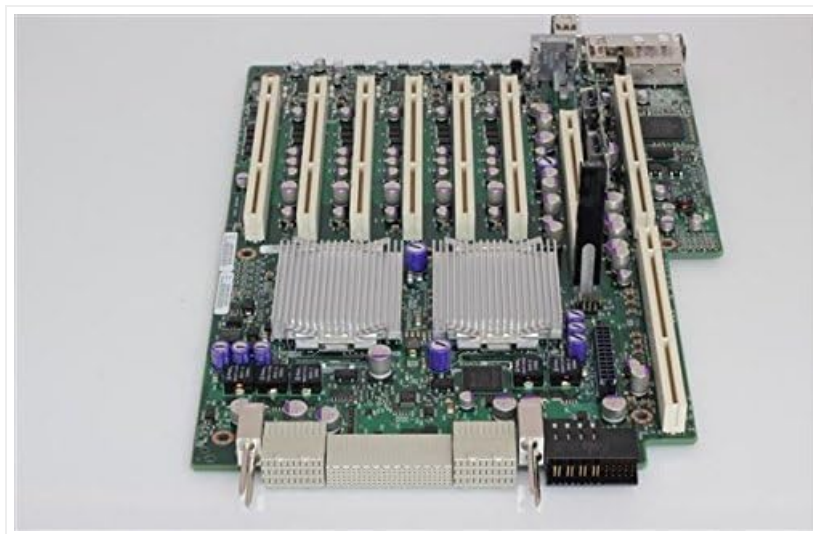


Image: Top-down view of the IBM X366 PCI-X Board, showing its green circuit board, multiple beige PCI-X expansion slots, and two silver heatsinks. Various capacitors and integrated circuits are visible across the board.

SAFETY INFORMATION

- Always disconnect power from the system before installing or removing the board.
- Handle the board by its edges to avoid touching components and connectors.
- Use an anti-static wrist strap to prevent electrostatic discharge (ESD) damage.
- Ensure proper ventilation within the server chassis to prevent overheating.
- Refer to your server's documentation for specific compatibility and installation guidelines.

SETUP AND INSTALLATION

Follow these steps carefully to install the IBM X366 PCI-X Board into your compatible server system.

1. **Preparation:** Power down the server and disconnect all power cables. Open the server chassis according to the manufacturer's instructions.
2. **Locate Slot:** Identify an available PCI-X slot on the server's motherboard.
3. **Remove Cover:** Remove the corresponding expansion slot cover from the server chassis.
4. **Insert Board:** Carefully align the IBM X366 PCI-X Board with the chosen slot. Apply even pressure to both ends of the board until it is fully seated in the slot. Do not force the board.
5. **Secure Board:** Secure the board with the retention mechanism or screw provided by the server chassis.
6. **Close Chassis:** Close the server chassis and reconnect all power cables.
7. **Power On:** Power on the server and verify that the system recognizes the newly installed board.

OPERATING GUIDELINES

Once installed, the IBM X366 PCI-X Board operates as an extension of your server's system bus, providing additional PCI-X expansion capabilities. Its operation is largely passive, facilitating communication between the server's CPU and any installed PCI-X expansion cards.

- Ensure that any expansion cards installed into the PCI-X board are compatible with both the board and your server system.
- Refer to the documentation of any installed expansion cards for their specific operating requirements and driver installations.
- Monitor server temperatures to ensure adequate cooling, especially after adding new components.

MAINTENANCE

The IBM X366 PCI-X Board requires minimal maintenance. Regular server maintenance practices will generally suffice.

- **Dust Removal:** Periodically inspect the server interior for dust accumulation. Use compressed air to gently clean the board and surrounding components, ensuring the server is powered off and unplugged.
- **Connection Check:** During routine server checks, ensure the board remains securely seated in its slot.
- **Environmental Control:** Maintain a stable operating environment for your server, avoiding extreme temperatures and humidity.

TROUBLESHOOTING

If you encounter issues after installing the IBM X366 PCI-X Board, consider the following troubleshooting steps:

- **Board Not Detected:**

- Verify the board is fully seated in the PCI-X slot.
- Ensure the server's BIOS/UEFI settings are configured to recognize new hardware.
- Test the board in a different compatible PCI-X slot, if available.
- Confirm the server's power supply is adequate for the added components.

- **System Instability:**

- Check for driver conflicts if expansion cards are installed on the board.
- Ensure proper cooling within the server chassis.
- Run system diagnostics to identify potential hardware conflicts.

- **Error Codes:** Consult your server's documentation for the meaning of any specific error codes displayed during boot-up.

If problems persist, contact IBM support or a qualified IT professional.

SPECIFICATIONS

Feature	Detail
Brand	IBM
Model Number	40K0235
Product Type	PCI-X Board
Hardware Interface	PCI-X
Item Weight	15.8 ounces (approx. 448 grams)
Compatibility	Designed for IBM x366 and compatible enterprise server systems. Not for PC/laptop use.

WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or service, please refer to the original purchase documentation or visit the official IBM support website. Ensure you have your product model number (40K0235) and serial number (if applicable) ready when contacting support.

IBM Support Website: www.ibm.com/support

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