

Introduction

Thank you for purchasing an Advance accelerator card from ClearSpeed Technology plc.

Before installing, read through this Installation Guide to ensure that the installation goes smoothly. This document applies to the Advance e720 accelerator card (HP BladeSystem c-Class Type II Mezzanine Card).

We recommend that the card is installed by a competent IT professional. If you are unsure about any aspect of the installation, please seek expert advice.

Package contents

The Advance accelerator card package contains:

- the Advance card,
- a disposable antistatic wrist strap,
- OPTIONAL: a CD-ROM containing the software and documentation for the card.

This guide gives you pre-installation advice and explains how to install the card.

Before you start

To install the Advance e720, you need a system with:

- An HP BladeSystem c-Class server or equivalent comprising of a 64-bit Intel or AMD x86 processor (or compatible).
- An available Type II mezzanine connection.

Caution: The card can be damaged by static electricity. Observe these precautions for handling electrostatic sensitive devices.

Whenever you remove the card from your computer, please make sure that:



- You always have the antistatic wrist strap on.
- You always put the card back in its packaging.
- Do not let your clothing touch any electronic parts.

ClearSpeed Technology assumes no responsibility for any damage or injury that results from failure to follow these instructions or from failure to observe safety precautions.

1 Software installation

Before you install the card you should first install the runtime software and the diagnostic tools. The CD-ROM contains the software and drivers for all the supported platforms. Before installing the software, please check the ClearSpeed customer support web site for any updates:

<http://support.clearspeed.com/downloads/>

The software installation instructions and other useful documentation can be found on the CD-ROM or the documents page:

<http://support.clearspeed.com/documentation/>

2 Card-handling procedures

Static electricity can severely damage this equipment. Handle the card and any other device in your system with extreme care and avoid unnecessary contact with the system components on the main card.

When installing the card it is important that you observe the following:

- Only remove the card from the antistatic packaging when you are ready to install it.
- Always make sure you have the enclosed wrist strap connected to the chassis before removing the card from its antistatic packaging.
- Always hold the card by its edges and avoid touching its circuitry or edge connector.
- Always work on a correctly grounded antistatic surface to avoid possible damage to the card from static discharge.
- Always have the power supply switched off and unplugged when working with the computer system.

3 Installation instructions

Before starting you may need to refer to the manufacturer's instructions to help you:

1. Back up all data
2. Power off the server and remove it from the enclosure.
3. Remove the access panel⁽¹⁾.
4. Reinstall the access panel.
5. Reinstall the blade in the enclosure.

To install the card, follow these procedures:

1. Back up data; power off the server and remove it from the enclosure.
2. Remove the access panel.
3. Follow the card-handling procedures at all times during the installation.
4. Identify the Type II mezzanine connector you wish to install the mezzanine card in (for help refer to the diagram on the access panel).

1. See:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00700793/c00700793.pdf>

5. Grasp the mezzanine card by its edges; line the card up with the mezzanine connector on the system board.
6. Push down on the card above the connector to seat it into the connector.
7. Tighten the three thumbscrews to secure the card to the system board.
8. Reinstall the access panel.
9. Reinstall the blade in the enclosure.
10. Power up the system.

Note: There are no user-configurable switch or jumper options.

4 Troubleshooting

If you experience problems during installation and need further clarification, refer to the Advance e720 Accelerator Card User Guide for more information. The User Guide is available from the ClearSpeed customer support site:

<http://support.clearspeed.com/documentation/>

ClearSpeed Technology, Inc.

3031 Tisch Way, Suite 200
San Jose, CA 95128
United States of America

Tel: +1 408 557 2067

Fax: +1 408 557 9054

Email: info@clearspeed.com

Web: <http://www.clearspeed.com>

Support: <http://support.clearspeed.com>

ClearSpeed Technology plc

3110 Great Western Court
Hunts Ground Road
Bristol BS34 8HP
United Kingdom

Tel: +44 (0)117 317 2000

Fax: +44 (0)117 317 2002

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