



Sun Netra™ CP3240 Advanced Mezzanine Card Product Notes

Sun Microsystems, Inc.
www.sun.com

Part No. 820-7575-11
June 2009 Revision A

Submit comments about this document at: <http://www.sun.com/hwdocs/feedback>

Copyright © 2009 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.

Sun Microsystems, Inc. has intellectual property rights relating to technology embodied in the product that is described in this document. In particular, and without limitation, these intellectual property rights may include one or more of the U.S. patents listed at <http://www.sun.com/patents> and one or more additional patents or pending patent applications in the U.S. and in other countries.

This distribution may include materials developed by third parties.

Parts of the product may be derived from Berkeley BSD systems, licensed from the University of California. UNIX is a registered trademark in the U.S. and in other countries, exclusively licensed through X/Open Company, Ltd.

Sun, Sun Microsystems, the Sun logo, Solaris, Netra and the Netra logo are trademarks or registered trademarks of Sun Microsystems, Inc., or its subsidiaries, in the U.S. and other countries.

Products covered by and information contained in this service manual are controlled by U.S. Export Control laws and may be subject to the export or import laws in other countries. Nuclear, missile, chemical biological weapons or nuclear maritime end uses or end users, whether direct or indirect, are strictly prohibited. Export or reexport to countries subject to U.S. embargo or to entities identified on U.S. export exclusion lists, including, but not limited to, the denied persons and specially designated nationals lists is strictly prohibited.

Use of any spare or replacement CPUs is limited to repair or one-for-one replacement of CPUs in products exported in compliance with U.S. export laws. Use of CPUs as product upgrades unless authorized by the U.S. Government is strictly prohibited.

DOCUMENTATION IS PROVIDED "AS IS" AND ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT, ARE DISCLAIMED, EXCEPT TO THE EXTENT THAT SUCH DISCLAIMERS ARE HELD TO BE LEGALLY INVALID.

Copyright © 2009 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, Etats-Unis. Tous droits réservés.

Sun Microsystems, Inc. détient les droits de propriété intellectuelle relatifs à la technologie incorporée dans le produit qui est décrit dans ce document. En particulier, et ce sans limitation, ces droits de propriété intellectuelle peuvent inclure un ou plus des brevets américains listés à l'adresse <http://www.sun.com/patents> et un ou les brevets supplémentaires ou les applications de brevet en attente aux Etats - Unis et dans les autres pays.

Cette distribution peut comprendre des composants développés par des tierces parties.

Des parties de ce produit pourront être dérivées des systèmes Berkeley BSD licenciés par l'Université de Californie. UNIX est une marque déposée aux Etats-Unis et dans d'autres pays et licenciée exclusivement par X/Open Company, Ltd.

Sun, Sun Microsystems, le logo Sun, Solaris, Netra et le logo Netra sont des marques de fabrique ou des marques déposées de Sun Microsystems, Inc., ou ses filiales, aux Etats-Unis et dans d'autres pays.

Ce produit est soumis à la législation américaine en matière de contrôle des exportations et peut être soumis à la réglementation en vigueur dans d'autres pays dans le domaine des exportations et importations. Les utilisations, ou utilisateurs finaux, pour des armes nucléaires, des missiles, des armes biologiques et chimiques ou du nucléaire maritime, directement ou indirectement, sont strictement interdites. Les exportations ou reexportations vers les pays sous embargo américain, ou vers des entités figurant sur les listes d'exclusion d'exportation américaines, y compris, mais de manière non exhaustive, la liste de personnes qui font objet d'un ordre de ne pas participer, d'une façon directe ou indirecte, aux exportations des produits ou des services qui sont régis par la législation américaine en matière de contrôle des exportations et la liste de ressortissants spécifiquement désignés, sont rigoureusement interdites. L'utilisation de pièces détachées ou d'unités centrales de remplacement est limitée aux réparations ou à l'échange standard d'unités centrales pour les produits exportés, conformément à la législation américaine en matière d'exportation. Sauf autorisation par les autorités des Etats-Unis, l'utilisation d'unités centrales pour procéder à des mises à jour de produits est rigoureusement interdite.

LA DOCUMENTATION EST FOURNIE "EN L'ETAT" ET TOUTES AUTRES CONDITIONS, DECLARATIONS ET GARANTIES EXPRESSES OU TACITES SONT FORMELLEMENT EXCLUES, DANS LA MESURE AUTORISEE PAR LA LOI APPLICABLE, Y COMPRIS NOTAMMENT TOUTE GARANTIE IMPLICITE RELATIVE A LA QUALITE MARCHANDE, A L'APTITUDE A UNE UTILISATION PARTICULIERE OU A L'ABSENCE DE CONTREFAÇON.



Contents

Sun Netra CP3240 Advanced Mezzanine Card Product Notes	1
Additional Copyright Information	2
AMC Products	2
Related Documentation	2
Installing AMC Products	3
Upgrading Firmware and Software	3
▼ To Upgrade Firmware and Software	4

Sun Netra CP3240 Advanced Mezzanine Card Product Notes

The *Sun Netra CP3240 Advanced Mezzanine Card Product Notes* contain important and late-breaking information about the Sun Netra™ CP3240 Advanced Mezzanine Card (AMC) products. This document includes information about upgrading software and firmware on the AMC products.

This document contains the following topics:

- [“Additional Copyright Information” on page 2](#)
- [“Related Documentation” on page 2](#)
- [“Installing AMC Products” on page 3](#)
- [“Upgrading Firmware and Software” on page 3](#)

Additional Copyright Information

This product is covered and controlled by U.S. Export Control laws and may be subject to the export or import laws in other countries. Nuclear, missile, chemical biological weapons or nuclear maritime end uses or end users, whether direct or indirect, are strictly prohibited. Export or reexport to countries subject to U.S. embargo or to entities identified on U.S. export exclusion lists, including, but not limited to, the denied persons and specially designated nationals lists is strictly prohibited.

AMC Products

The following Sun Netra CP3240 AMC products are available to use with the Netra CP3240 switch:

- Sun Netra CP3240 Advanced Mezzanine Card 10GbE Copper (AMC.2-CU)
- Sun Netra CP3240 Advanced Mezzanine Card 10GbE Optic (AMC.2-OP)
- Sun Netra CP3240 Advanced Mezzanine Card LED (AMC.0-LED)

For information about system requirements, refer to the *Sun Netra CP3x40 Switch Product Notes* (820-3260).

Related Documentation

The following documents ship with the Sun Netra CP3240 AMC products:

- *Sun Netra CP3240 Advanced Mezzanine Card Getting Started Guide* (820-7260)
- *Important Safety Information for Sun Hardware Systems*

Refer to the *Sun Netra CP3240 Advanced Mezzanine Card Getting Started Guide* for information on obtaining the rest of the documentation.

The AMC and switch documentation is available at the following sites:

<http://docs.sun.com/app/docs/prod/cp3240.copper#hic>

<http://docs.sun.com/app/docs/prod/cp3240.optic#hic>

<http://docs.sun.com/app/docs/prod/cp3240.led#hic>

<http://docs.sun.com/app/docs/prod/cp3240.switch?l=en#hic>

Installing AMC Products

For complete instructions on installing and configuring Sun Netra CP3240 AMC products, refer to the following documentation:

- *Sun Netra CP3240 Advanced Mezzanine Card 10GbE Copper User's Guide* (820-7261)
- *Sun Netra CP3240 Advanced Mezzanine Card 10GbE Optic User's Guide* (820-7262)
- *Sun Netra CP3240 Advanced Mezzanine Card LED User's Guide* (820-7263).

Upgrading Firmware and Software

New releases contain the most up-to-date features, enhancements, and bug fixes. Using an earlier release could limit your use of features and enhancements, and could affect your systems with known issues.

Release packages are available from SDLC at:

sun.com/download

▼ To Upgrade Firmware and Software

1. From the Base Fabric console, download and upgrade the Netra CP3240 switch firmware and software before upgrading any AMC products.

For detailed instructions, refer to the *Sun Netra CP3x40 Switch Product Notes* and to the README files.

Note – Version 1.2.3.0/1.0.6 is required to install AMC 1.0.0 or newer from the CP3240H command line.

2. Download the AMC upgrades, and place the images on a TFTP server.
3. Connect to the serial management port of the Netra CP3240 switch to be updated.
4. Connect the Netra CP3240 switch to the network via the front panel management port.
5. Make sure the AMC products to be upgraded are installed in a Netra CP3240 switch.

The AMC slot in the CP3240 does not matter; you can upgrade three sites at a time. AMCs must be in the Netra CP3240 switch to which serial and ethernet management ports are cabled.

6. Log in to the Netra CP3240 switch.

The factory set default for admin and enable is no password.

7. Determine the action required:

- a. If you have DHCP on your network, skip to [Step 8](#).
- b. If you are not using DHCP, set up your service port as follows:

<pre>Serviceport protocol none Y Serviceport ip <your IP> <your subnet> <your gateway></pre>
--

8. Copy the Netra CP3240 switch image:

```
copy tftp://<tftp ip>/cp3240h-bex-z.1.3.2.0.stk system:image1
```

9. Reset with the reload command.

10. Install the AMC update, as in the following example:

```
copy tftp://<tftp ip>/switch.amc_mmc.1.0.2.stk system:image1
```

Note that the version number varies according to the newest update.

One firmware image supports all three AMC products. Unless otherwise noted in a README file, changes apply to all three AMC products.

The firmware is released as a Netra CP3240 switch update image. This image can be installed like any Netra CP3240 switch update image; however, this image will update the AMC's IPMI code rather than the Netra CP3240 switch's.

The most common way to install the update is using the copy command as shown in the previous step. The update process will auto-detect if any Sun Netra CP3240 AMC products are installed, and install the proper firmware for the AMC product.

