

HP Carrier-Grade Server cc3310 Safety and Regulatory Information

Regulatory Model: RSVLA-0301 and RSVLA-0301-DC



Manufacturing Part Number: A9862-96001-en

July 2003

© Copyright 2003, Hewlett-Packard Development Company L.P.

Legal Notices

The information contained in this document is subject to change without notice.

Hewlett-Packard makes no warranty of any kind with regard to this manual, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Hewlett-Packard shall not be held liable for errors contained herein or direct, indirect, special, incidental or consequential damages in connection with the furnishing, performance, or use of this material.

Copyright Notices

Copyright © 2003 Hewlett-Packard Development Company L.P. Reproduction, adaptation, or translation of this document without prior written permission is prohibited, except as allowed under the copyright laws.

Related Documents

The latest versions of all documents, and any product updates to these documents, are posted under the appropriate server at:

<http://docs.hp.com>

The following documents provide more details on the topics presented in this manual:

- *Standard for the Protection of Electronic Computer Data Processing Equipment, (NFPA75) National Fire Protection Association*
- *EIA Standard RS-232-C, Electronic Industries Association*
- *Electrostatic Charge Failures of Semiconductor Devices, Unger, B.A. 1981, Bell Laboratories*
- *HP Carrier Grade Server: Product Guide*

Revision History

- First Edition: July 2003

1 HP Carrier-Grade Server cc3310 Safety and Regulatory Information



Notational Conventions

WARNING A warning highlights procedures or information necessary to avoid injury to personnel. The warning shall tell the reader exactly what will result from what actions and how to avoid them.

CAUTION A caution highlights procedures or information necessary to avoid damage to equipment, damage to software, loss of data, or invalid test results.

NOTE A note highlights supplemental information.

Safety and Regulatory Information

Overview

Hewlett-Packard utilizes numerous marketing model numbers and nomenclature to identify server products. Within a product family, the marketing model number typically identifies differences in the processor and I/O options. A product family is defined as a group of products wherein the form, fit, function, and power subsystem are essentially the same. Our practice is to assign a "regulatory model number" to a product family to support monitoring and control of changes that potentially impact safety and EMC. The assigned regulatory product numbers for this product is RSVLA-0301 and RSVLA-0301-DC. The regulatory product numbers RSVLA-0301 and RSVLA-0301-DC are equivalent to the marketing designations referenced throughout this document. Regulatory Compliance statements are required by some countries or areas for international importation of the HP Carrier Grade Server.

Regulatory Information

For your protection, this product has been tested for conformance to various national and international regulations and standards. The scope of this regulatory testing includes electrical and mechanical safety, electromagnetic emissions, immunity, acoustics and hazardous materials.

When required, approvals are obtained from third party test agencies. Approval marks appear on the product label. In addition, various regulatory bodies require some information under the headings listed in this section.

Electrical Safety

Locate the AC outlet near the server! The AC power cords/cables are this product's main AC disconnect devices and must be easily accessible at all times.

Electrostatic Discharge (ESD) Precautions

When handling any electronic component or assembly (such as, a PCI card or Memory DIMM), you must observe the following antistatic precautions to prevent damage. An ESD kit (HP Part Number A5201-68004) is available. This kit contains one wrist strap, one conductive sheet, and one anti-static foam pad.

- Always disconnect power from the server and wear a grounded wrist strap when working around the server. Always wear a grounded wrist strap when handling printed circuit boards.
- Treat all assemblies, components and interface connections as static-sensitive.
- Avoid working in carpeted areas, and keep body movement to a minimum while removing or installing boards, to minimize buildup of static charge.

International Symbols (IEC 417)

Figure 1-1 Protective Earth (ground)



Figure 1-2 Direct Current



Figure 1-3 Alternating Current



Figure 1-4 On (Supply)



Figure 1-5 Off (Supply)



Installation Conditions

See installation instructions before connecting to the supply.

WARNING This equipment is configured with multiple power sources. Hazardous voltages and energy may be present even after the removal of a single input source. Trained service personnel must follow guidelines stipulated in the service guidelines in the *HP Carrier Grade Server Product Guide*.

Fuse Warnings

WARNING No internal serviceable fuses. Factory replacement of the non-operating module is required.

Lithium Battery Warning

WARNING Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions and local disposal requirements.

Battery Disposal

This HP product contains one or more Lithium batteries located on the cell board that may require special handling at end-of-life.



In the Netherlands: Batteries are delivered with this product. When empty do not throw them away, but collect them as small chemical waste.

Bij dit product zijn batterijen geleverd. Wanneer de batterijen leeg zijn, dient u deze niet als huisvuil weg te gooien, maar als KCA in te leveren.

Cabinet Safety Precautions

WARNING Cabinets are heavy even when empty. Exercise caution when moving cabinets whether equipment is installed in the cabinet or not. Avoid rolling cabinets on rough or uneven surfaces or inclines greater than 10 degrees. Unloading cabinets from the pallet and movement of cabinets should be performed by at least two people.

WARNING Slideable products are not to be extended from the cabinet while the equipment is on the shipping pallet. The cabinet must be unloaded from the pallet and both front and rear anti-tip feet properly installed prior to extending any slideable product.

WARNING Once installed, both the front and rear anti-tip feet must remain in place to maintain stability. Only one slideable product must be extended at a time.

WARNING Use of any slide mount product requires the installation of a cabinet anti-tip device.

The anti-tip device for the following cabinet products is a pair of anti-tip feet: A4900A, A4901A, A4902A, A5134A, A5135A, A5136A, J1500A/B, J1501A/B, and J1502A/B. Additional anti-tip feet information is located at <http://www.hp.com/racksolutions>

Install both front and rear anti-tip feet on the cabinet before installing any slide mount product.

Before installing this product in any HP rack, you must install an anti-tip stabilizer kit and ballast kit.

Failure to follow these precautions can result in damage to equipment or injury to personnel

Procedimentos de Segurança - Armários

WARNING Os armários são pesados, mesmo quando vazios. Tenha cuidado ao movimentar os armários, quer haja equipamentos instalados quer não. Evite deslizar os armários sobre superfícies acidentadas, irregulares ou com inclinação superior a 10 graus. A retirada dos armários do palete e sua movimentação deverão ser feitas por, no mínimo, duas pessoas.

WARNING Partes deslizantes não deverão ser abertas enquanto o armário encontrar-se no palete de embarque. O armário deve ser descarregado do palete e os anteparos nos pés dianteiros e traseiros devem ser instalados adequadamente antes de se abrir qualquer parte deslizante.

WARNING Uma vez instalados, tanto os anteparos nos pés dianteiros quanto nos traseiros devem permanecer em seus lugares adequados para garantir a estabilidade da peça. Deve-se abrir apenas uma parte deslizante por vez.

WARNING O uso de qualquer produto de montagem deslizante requer a instalação de um dispositivo anti-tombamento para armários.

Um par de pés anti-tombamento é o dispositivo anti-tombamento para os seguintes armários: A4900A, A4901A, A4902A, A5134A, A5135A, A5136A, J1500A/B, J1501A/B, e J1502A/B. Há outras informações sobre pés anti-tombamento em <http://www.hp.com/racksolutions>.

Instalar ambos os pés anti-tombamento na frente e atrás do armário antes da instalação de qualquer produto de montagem deslizante.

Antes de instalar este produto em qualquer bandeja HP é preciso instalar um kit estabilizador e um kit de balastro (ou contrapeso).

A não observância destas precauções pode resultar em danos ao equipamento ou lesões as pessoas.

Säkerhetsföreskrifter för kabinett

WARNING Kabinetten är tunga även när de är tomma. Var försiktig när du flyttar ett kabinett, oavsett om det är tomt eller innehåller utrustning. Undvik att rulla kabinett på ett underlag som är ojämnt eller lutar mer än 10 grader. Det krävs minst två personer för att lasta av ett kabinett från transportpallen eller för att flytta det.

WARNING Inskjutningsbara produkter får inte vara utdragna när utrustningen befinner sig på transportpallen. Kabinettet måste lastas av från pallan och tippskyddsfötter ska monteras både fram- och baktill innan en inskjutningsbar produkt dras ut.

WARNING Efter montering ska tippskyddsfötterna sitta kvar både fram- och baktill så att stabiliteten upprätthålls. De inskjutningsbara produkterna får bara dras ut en i sänder.

WARNING Kabinettet måste tippskyddas för att en inskjutningsbar produkt ska kunna användas.

För följande kabinettprodukter ska två tippskyddsfötter användas: A4900A, A4901A, A4902A, A5134A, A5135A, A5136A, J1500A/B, J1501A/B och J1502A/B. Ytterligare upplysningar om tippskyddsfötter finns på <http://www.hp.com/racksolutions>.

Installera både den främre och den bakre tippskyddsfoten på kabinettet innan du installerar en inskjutningsbar produkt.

Innan du installerar produkten i ett HP-rack, måste en tippskyddande stabilisatorsats och en ballastsats installeras.

Om dessa föreskrifter inte följs föreligger risk för personskada eller skada på utrustningen.

Voorzorgsmaatregelen voor de veiligheid voor kasten

WARNING Kasten zijn zwaar, ook als deze leeg zijn. Ga voorzichtig te werk als u een kast verplaatst, of er nu wel of niet apparatuur in de kast is geïnstalleerd. Rol kasten niet over ruwe of ongelijke oppervlakken of hellingen van meer dan 10 graden. Als u een kast van een pallet moet afhalen of moet verplaatsen, doet u dat dan altijd met twee personen.

WARNING Zorg ervoor dat er geen uitschuifbare onderdelen uit de kast uitsteken als de apparatuur ter verzending op een pallet is geplaatst. Voordat u een uitschuifbaar onderdeel uitschuift, moet u de kast eerst van het pallet halen en de stabilisatiesteunen aan de voor- en achterkant op de juiste manier installeren.

WARNING Zodra de kast is geïnstalleerd, mogen de stabilisatiesteunen niet meer worden verplaatst. U mag niet meer dan één uitschuifbaar onderdeel tegelijk uitschuiven.

WARNING Als u verwisselbare opslagmedia wilt plaatsen, moet u de kast stabiliseren.

Voor de volgende producten maakt u gebruik van stabilisatiesteunen: A4900A, A4901A, A4902A, A5134A, A5135A, A5136A, J1500A/B, J1501A/B en J1502A/B. Extra informatie over stabilisatiesteunen vindt u op het adres <http://www.hp.com/racksolutions>.

U moet de stabilisatiesteunen zowel aan de voorkant als aan de achterkant van de kast aanbrengen voordat u verwisselbare opslagmedia plaatst.

Voordat u dit product in een HP-rack plaatst, dient u eerst stabilisatie- en een ballastkit te installeren.

Als u deze aanwijzingen niet opvolgt, kan dit leiden tot schade aan de apparatuur of lichamelijk letsel.

Sikkerhedsforanstaltninger for skabe

WARNING Skabene er tunge, selv når de er tomme. Vær forsigtig når De flytter skabe, hvad enten der er installeret udstyr i skabet eller ej. Undgå at rulle skabe på ru eller ujævne overflader eller skråninger der hælder mere end 10 grader. Der skal mindst to personer til at aflæsse skabe fra pallen og til at flytte skabe.

WARNING Udtræksdele må ikke være trukket ud, når skabet står på forsendespallen. Skabet skal først læses af pallen og anti-tip fødderne skal være installeret både forpå og bagpå, før udtræksdelene må trækkes ud.

WARNING Efter installation skal både de forreste og bageste anti-tip fødder blive siddende for at opretholde stabiliteten. Der må kun trækkes en udtræksdel ud ad gangen.

WARNING Ved enhver brug af udtræksdele skal der monteres anti-tip indretninger for skabet.

For følgende skabstyper anvendes der som anti-tip indretning et par anti-tip fødder: A4900A, A4901A, A4902A, A5134A, A5135A, A5136A, J1500A/B, J1501A/B og J1502A/B. Yderligere oplysninger om anti-tip fødder findes på <http://www.hp.com/racksolutions>.

Anti-tip fødderne skal monteres både på for- og bagsiden, før der isættes udtræksdele.

Inden dette produkt installeres i et HP rack, skal De installere et anti-tip stabilisatorsæt og et ballastsæt.

Hvis ovenstående anvisninger ikke følges, kan det medføre materiel skade eller kvæstelse.

Sikkerhetsforanstaltninger for skapene

WARNING Skapene er tunge, selv når de er tomme. Vær forsiktig når du flytter skap, uansett om de er tomme eller inneholder utstyr. Ikke rull skap på ru eller ujevne overflater eller i skråninger som heller mer enn 10 grader. Det trengs minst to personer til lessing av skap fra pallen og til flytting av skap.

WARNING Produkter som kan gli inn og ut av skapet bør ikke være trukket ut når skapet er på transportpallen. Skabet må leses av pallen og anti-tippe-føtter må være påmontert både foran og bak før et produkt som kan gli inn og ut av skapet, trekkes ut.

WARNING Etter montering skal anti-tippe-føttene både foran og bak fortsatt være på for å opprettholde stabilitet. Produkter som kan gli inn og ut av skapet, må kun trekkes ut ett og ett om gangen.

WARNING Bruk av produkter som kan gli inn og ut, krever at det installeres en anti-tippe-enhet for skap.

Anti-tippe-enheten for følgende skapprodukter er et par anti-tippe-føtter: A4900A, A4901A, A4902A, A5134A, A5135A, A5136A, J1500A/B, J1501A/B og J1502A/B. Mer informasjon om anti-tippe-føtter finner du på <http://www.hp.com/racksolutions>.

Installer både fremre og bakre anti-tippe-fot på skapet før du installerer produkter som kan gli inn og ut.

Før du installerer dette produktet i et HP-rack, må du installere et anti-tipp stabilisatorsett og et ballastsett.

Hvis disse forholdsreglene ikke blir fulgt, kan det føre til skade på utstyr eller personer.

Laitekaappia koskeva turvavaroitus

WARNING Kaapit ovat tyhjinäkin painavia. Ole varovainen siirtäessäsi kaappia siitä riippumatta, onko siihen asennettu laitteistoa. Älä rullaa kaappeja karkeilla tai epätasaisilla pinnoilla tai jos pinnan kaltevuus ylittää 10 astetta. Kaappien ottamiseen alas lastausalustalta ja niiden siirtämiseen tarvitaan ainakin kaksi henkilöä.

WARNING Liukuvia osia ei pidä vetää ulos kaapista laitteen ollessa lastausalustalla. Kaappi täytyy ottaa alas alustalta, ja sekä etummaisesta että takimmaisesta kallistustuen täytyy olla asennettu ennen liukuvien osien vetämistä ulos.

WARNING Kun kallistustuet on asennettu, ne täytyy jättää paikoilleen sekä edessä että takana, jotta kaappi pysyisi vakaasti paikoillaan. Vain yksi liukuosa saa olla ulkona kerrallaan.

WARNING Liukuviksi asennettavien tuotteiden käyttö vaatii laitekaapin kaatumisen estävän laitteen asentamista.

Kaatumisen estävä laite laitekaapeille A4900A, A4901A, A4902A, A5134A, A5135A, A5136A, J1500A/B, J1501A/B ja J1502A/B on pari kaatumisen estäviä jalkoja. Lisätietoja kaatumisen estävistä laitteista on Web-osoitteessa <http://www.hp.com/racksolutions>.

Asenna sekä etu- että takajalka laitekaappiin ennen liukuviksi asennettavien tuotteiden asentamista.

Ennen kuin asennat tämän tuotteen mihinkään HP-laitekaappiin, sinun on asennettava liukumisen estävä tasapainopaketti ja painolastipaketti.

Näiden ohjeiden noudattamatta jättäminen voi johtaa laitteiston vaurioitumiseen tai ihmisten loukkaantumiseen.

Меры предосторожности при работе со стойками

ОСТОРОЖНО Стойка очень тяжелая, даже если в ней не установлено оборудование, поэтому при ее перемещении соблюдайте меры предосторожности. Избегайте перемещения стойки по неровной поверхности или поверхности с углом наклона более 10 градусов. Снятие стойки с поддона и ее перемещение необходимо выполнять по крайней мере вдвоем.

ОСТОРОЖНО Оборудование, установленное на полозьях, нельзя выдвигать из стойки, пока она находится на транспортировочном поддоне. Прежде чем выдвинуть из стойки какое-либо оборудование, необходимо снять стойку с поддона и выдвинуть спереди и сзади стойки дополнительные опоры, предохраняющие от опрокидывания.

ОСТОРОЖНО Для обеспечения устойчивости стойки передние и задние опоры, предохраняющие стойку от опрокидывания, должны быть всегда выдвинуты. Никогда не выдвигайте одновременно более одного компонента оборудования, установленного на полозья.

ОСТОРОЖНО Перед использованием какого-либо оборудования, установленного на полозьях, необходимо установить устройство, предохраняющее стойку от опрокидывания.

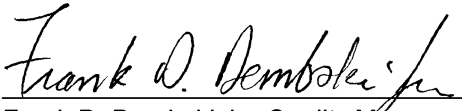
Для стоек A4900A, A4901A, A4902A, A5134A, A5135A, A5136A, J1500A/B, J1501A/B и J1502A/B таким устройством являются две дополнительные опоры, которые крепятся к нижней части стойки. Дополнительную информацию см. на Web-узле HP по адресу: www.hp.com/racksolutions.

Прежде чем устанавливать на полозьях какое-либо оборудование, установите спереди и сзади стойки опоры, предохраняющие от опрокидывания.

Перед монтажом данного оборудования в любой стойке HP необходимо установить стабилизатор и балласт, предохраняющие от опрокидывания.

Несоблюдение этих мер предосторожности может привести к травмам персонала и повреждению оборудования.

Declaration of Conformity

DECLARATION OF CONFORMITY according to ISO/IEC Guide 22 and EN 45014	
Manufacturer's Name:	Hewlett-Packard Company General Systems and Technology Lab
Manufacturer's Address:	8000 Foothills Blvd. Roseville, CA 95747 USA
declares, that the product	
Product Name:	HP Carrier Grade Server cc3310
Regulatory Model:	RSVLA-0301-xx (where -xx is an optional suffix and x is any letter or blank)
Product Options:	All
conforms to the following Product Specifications:	
Safety:	IEC 60950:1999 EN 60950: 2000 IEC 60825-1:1993 +A1 / EN 60825-1:1994+A11, Class 1 GB 4943-2001
EMC:	CISPR 22:1997 +A1 / EN 55022:1998 +A1 Class A CISPR 24:1997 / EN 55024:1998 IEC 61000-3-2:1995 / EN 61000-3-2:1995 +A14 IEC 61000-3-3:1994 +A1 / EN 61000-3-3:1995 +A1 GB 9254-1998
Supplementary Information:	
The product herewith complies with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC and carries the CE marking accordingly.	
The product was tested in a typical configuration with Hewlett-Packard computer peripherals.	
Roseville, 6/25/03	 Frank D. Dembski Jr., Quality Manager
European Contact: Your local Hewlett-Packard Sales and Service Office or Hewlett-Packard GmbH,	

FCC Statement (USA Only)

The United States Federal Communications Commission has specified that the following notice be brought to the attention of users of this product:

NOTE This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Hewlett-Packard's system verification tests were conducted with HP-supported peripheral devices and HP shielded cables, such as those you receive with your computer. Changes or modifications not expressly approved by Hewlett-Packard could void the user's authority to operate the equipment. Cables used with this device must be properly shielded to comply with the requirements of the FCC.

Canada RFI Statement

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

European Union RFI Statement

This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Acoustics (Germany)

Acoustic noise level per ISO 9296 (25° C):

$L_{pA_m} < 47.9$ dB (bystander position)

Australian C-Tick Label



Laser Safety

NOTE If a Fibre Channel I/O card is present, the following laser safety statement applies.

This product contains a laser internal to the Optical Link Module (OLM) for connection to the Fibre communications port.

In the USA, the OLM is certified as a Class 1 laser product conforming to the requirements contained in the Department of Health and Human Services (DHHS) regulation 21 CFR, Subchapter J. The certification is indicated by a label on the plastic OLM housing.

Outside the USA, the OLM is certified as a Class 1 laser product conforming to the requirements contained in IEC 60825-1:1993 and EN 60825-1:1994, including Amendment 11:1996.

NOTE If a CD or DVD is present, the following laser safety statement applies.

This product contains a laser internal to the CD or DVD housing.

In the USA, the DVD is certified as a Class 1 laser product conforming to the requirements contained in the Department of Health and Human Services (DHHS) regulation 21 CFR, Subchapter J. The certification is indicated by a label on the DVD housing.

Outside the USA, the DVD is certified as a Class 1 laser product conforming to the requirements contained in IEC 60825-1:1993+A1 and EN 60825-1:1994+A11.

