

HP FlexibleLOM for Racks

Installation Instructions



Part Number: 659739-404
October 2012
Edition: 4



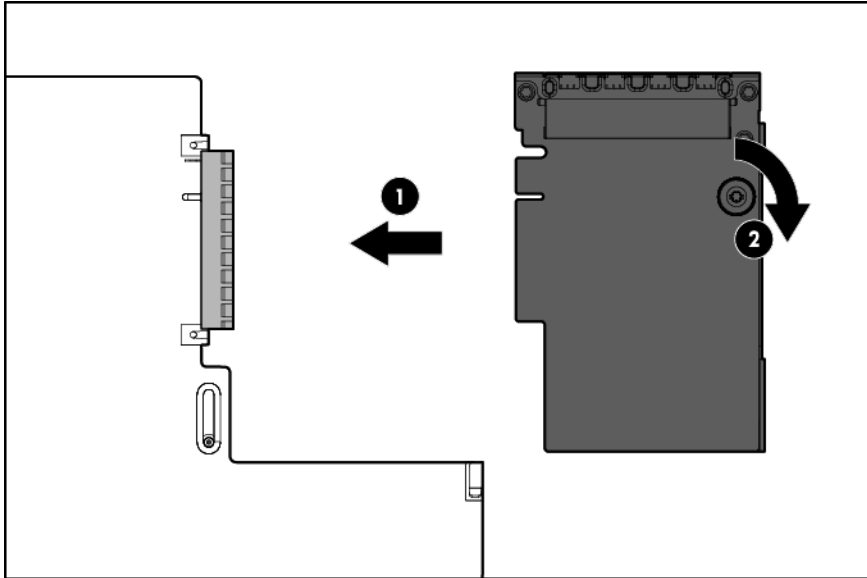
659739-404

Installing a FlexibleLOM in a server

1. Power down the server.
2. Unplug all AC power cords from the server.
3. Remove the server access panel.
4. Firmly seat the FlexibleLOM in the slot.

NOTE: On some server models, the FlexibleLOM connector slot is located on the riser card. For the location of the FlexibleLOM connector slot, see the server user guide or hood label.

5. Tighten the thumbscrew.



6. Replace the server access panel and plug in the power cord.
7. Connect the LAN segment cables. Installation is complete.

This document provides the procedure for installing an HP FlexibleLOM. For more specific installation procedures, see the server user guide on the HP website <http://www.hp.com/go/hpsc>.

Download drivers and software

To download drivers and software for the FlexibleLOM:

1. Go to the HP website <http://www.hp.com/go/hpsc>.
2. Select **Download drivers and software (and firmware)**.
3. Enter the FlexibleLOM name in the **For product** box, and then click **Go**.

Getting help

For additional help, contact your HP reseller or (in North America only) call Technical Support at 1 800 652 6672 or go to the HP website <http://www.hp.com>.

Federal Communications Commission notice

Part 15 of the Federal Communications Commission (FCC) Rules and Regulations has established Radio Frequency (RF) emission limits to provide an interference-free radio frequency spectrum. Many electronic devices, including computers, generate RF energy incidental to their intended function and are, therefore, covered by these rules. These rules place computers and related peripheral devices into two classes, A and B, depending upon their intended installation. Class A devices are those that may reasonably be expected to be installed in a business or commercial environment. Class B devices are those that may reasonably be expected to be installed in a residential environment (for example, personal computers). The FCC requires devices in both classes to bear a label indicating the interference potential of the device as well as additional operating instructions for the user.

FCC rating label

The FCC rating label on the device shows the classification (A or B) of the equipment. Class B devices have an FCC logo or ID on the label. Class A devices do not have an FCC logo or ID on the label. After you determine the class of the device, refer to the corresponding statement.

FCC Notice, Class A Equipment

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 instructions, 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 personal expense.

FCC Notice, Class B Equipment

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit that is different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or television technician for help.

Declaration of conformity for products marked with the FCC logo, United States only

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For questions regarding this product, contact us by mail or telephone:

- Hewlett-Packard Company
P. O. Box 692000, Mail Stop 530113
Houston, Texas 77269-2000
- 1-800-HP-INVENT (1-800-474-6836). (For continuous quality improvement, calls may be recorded or monitored.)

For questions regarding this FCC declaration, contact us by mail or telephone:

- Hewlett-Packard Company
P. O. Box 692000, Mail Stop 510101
Houston, Texas 77269-2000
- 1281-514-3333

To identify this product, refer to the part, series, or model number found on the product.

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Hewlett-Packard Company may void the user's authority to operate the equipment.

Canadian notice (Avis Canadien)

Class A equipment

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

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Class B equipment

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

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

European Union regulatory notice

Products bearing the CE marking comply with the following EU Directives:

- Low Voltage Directive 2006/95/EC
- EMC Directive 2004/108/EC
- Ecodesign Directive 2009/125/EC, where applicable
- RoHS Directive 2011/65/EU

CE compliance of this product is valid if powered with the correct CE-marked AC adapter provided by HP.

Compliance with these directives implies conformity to applicable harmonized European standards (European Norms) that are listed in the EU Declaration of Conformity issued by HP for this product or product family and available (in English only) either within the product documentation or at the following HP website <http://www.hp.eu/certificates> (type the product number in the search field).

Compliance is indicated by the CE marking as shown below. Where applicable for telecommunications products, a 4-digit notified body number may follow it as a suffix.



Please refer to the regulatory label provided on the product.

The point of contact for regulatory matters is Hewlett-Packard GmbH, Dept./MS: HQ-TRE, Herrenberger Strasse 140, 71034 Boeblingen, GERMANY.

Japanese notice

ご使用になっている装置に VCCI マークが付いていましたら、次の説明文をお読み下さい。

この装置は、クラス B 情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。取扱説明書に従って正しい取り扱いをして下さい。

VCCI-B

VCCI マークが付いていない場合には、次の点にご注意下さい。

この装置は、クラス A 情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者は適切な対策を講ずるよう要求されることがあります。

VCCI-A

Korean notice

Class A equipment

A급 기기 (업무용 방송통신기기)	이 기기는 업무용(A급)으로 전자파적합등록을 한 기기이오니 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정 외의 지역에서 사용하는 것을 목적으로 합니다.
-----------------------	---

Class B equipment

B급 기기 (가정용 방송통신기기)	이 기기는 가정용(B급)으로 전자파적합등록을 한 기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.
-----------------------	--

Laser Compliance

For an adapter with fiber optic connections, the fiber optic module contains a laser that is classified as a Class 1 Laser Product in accordance with US FDA regulations and the IEC 60825-1. The product does not emit hazardous laser radiation.

Each laser product complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007; and with IEC 60825-1:2007.

	WARNING: Use of controls or adjustments or performance of procedures other than those specified herein or in the laser product's installation guide may result in hazardous radiation exposure. To reduce the risk of exposure to hazardous radiation: <ul style="list-style-type: none">• Do not try to open the module enclosure. There are no user-serviceable components inside.• Do not operate controls, make adjustments, or perform procedures to the laser device other than those specified herein.• Allow only HP Authorized Service technicians to repair the unit.
--	--

The Center for Devices and Radiological Health (CDRH) of the U.S. Food and Drug Administration implemented regulations for laser products on August 2, 1976. These regulations apply to laser products manufactured from August 1, 1976. Compliance is mandatory for products marketed in the United States.

Documentation feedback

HP is committed to providing documentation that meets your needs. To help us improve the documentation, send any errors, suggestions, or comments to Documentation Feedback (mailto:docsfeedback@hp.com). Include the document title and part number, version number, or the URL when submitting your feedback.

© Copyright 2011, 2012 Hewlett-Packard Development Company, L.P.

The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Warnings and cautions

WARNING: To reduce the risk of personal injury or damage to the equipment, consult the safety information and user documentation provided with the server before attempting the installation.

Some servers contain high energy circuits, high current circuits, moving parts (such as fan blades), or any combination of these hazards, that may be exposed if covers and access panels are removed while the product is connected to a power source. These products are intended to be serviced only by qualified personnel who have been trained to deal with these hazards. Do not remove enclosures or attempt to bypass any interlocks designed to guard against these hazardous conditions.

WARNING: To reduce the risk of electric shock, remove all AC power from the system before installing or replacing any non-hot-plug hardware option to the system. Disconnect all power cords to completely remove power from the server.

WARNING: To reduce the risk of personal injury from hot surfaces, allow the drives and the internal system components to cool before touching them.

ラックサーバー用HP FlexibleLOM

インストール手順

インストールの手順



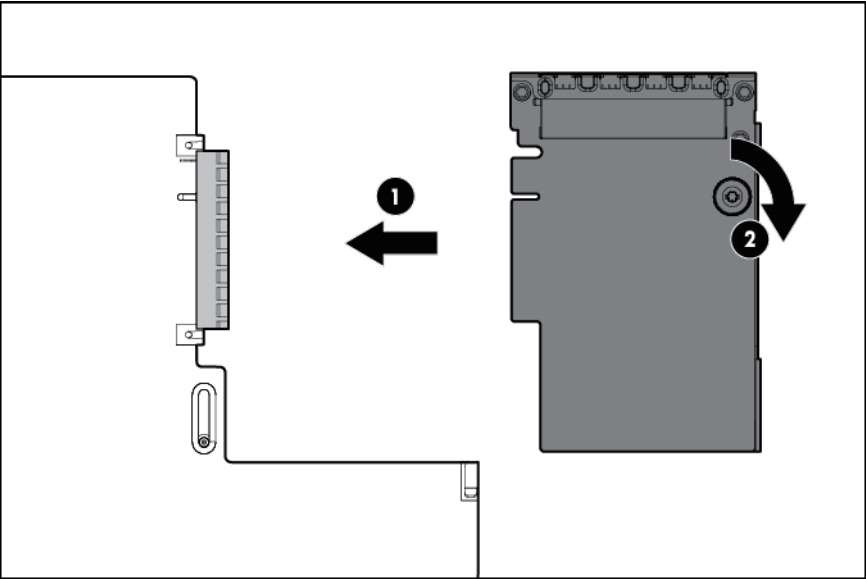
製品番号：659739-404
2012年10月
版数：4

サーバーへのFlexibleLOMの取り付け

- サーバーの電源を切ります。
- サーバーからAC電源コードをすべて取り外します。
- サーバーのアクセスパネルを取り外します。
- FlexibleLOMをしっかりとスロットに取り付けます。

注：一部のサーバーモデルでは、FlexibleLOMコネクタースロットはライザーカード上にあります。FlexibleLOMコネクタースロットの位置については、サーバーのユーザーガイドまたはフードラベルを参照してください。

- つまみネジを締めます。



- サーバーのアクセスパネルを取り付けなおして、電源コードを接続します。
- LANセグメントのケーブルを接続します。以上で取り付けは完了です。

このカードでは、HP FlexibleLOMの取り付け手順について説明します。取り付け手順について詳しくは、HPのWebサイト<http://www.hp.com/go/hpsc>に掲載されているサーバーのユーザーガイドを参照してください。

ドライバーおよびソフトウェアのダウンロード

FlexibleLOM用のドライバーおよびソフトウェアをダウンロードするには、以下の手順に従ってください。

- HPのWebサイト<http://www.hp.com/go/hpsc>にアクセスします。
- [ドライバー&ソフトウェアダウンロード]を選択します。
- [検索]ボックスにFlexibleLOM名を入力して[検索]をクリックします。

追加情報の入手先

その他の参照情報については、HP製品販売店またはHPのサービス窓口にお問い合わせになるか、HPのWebサイト<http://www.hp.com/jp>を参照してください。

規定に関するご注意

ご使用になっている装置にVCCIマークが付いていましたら、次の説明文をお読みください。

この装置は、クラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。取扱説明書に従って正しい取り扱いをしてください。

VCCIマークが付いていない場合には、次の点にご注意ください。

この装置は、クラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

各国別勧告

以下に日本以外の国や地域での規定を掲載します。

Federal Communications Commission notice

Part 15 of the Federal Communications Commission (FCC) Rules and Regulations has established Radio Frequency (RF) emission limits to provide an interference-free radio frequency spectrum.Many electronic devices, including computers, generate RF energy incidental to their intended function and are, therefore, covered by these rules.These rules place computers and related peripheral devices into two classes, A and B, depending upon their intended installation.Class A devices are those that may reasonably be expected to be installed in a business or commercial environment.Class B devices are those that may reasonably be expected to be installed in a residential environment (for example, personal computers).The FCC requires devices in both classes to bear a label indicating the interference potential of the device as well as additional operating instructions for the user.

FCC rating label

The FCC rating label on the device shows the classification (A or B) of the equipment. Class B devices have an FCC logo or ID on the label.Class A devices do not have an FCC logo or ID on the label.After you determine the class of the device, refer to the corresponding statement.

FCC Notice, Class A Equipment

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 instructions, 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 personal expense.

FCC Notice, Class B Equipment

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.However, there is no guarantee that interference will not occur in a particular installation.If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit that is different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or television technician for help.

Declaration of conformity for products marked with the FCC logo, United States only

This device complies with Part 15 of the FCC Rules.Operation is subject to the following two conditions:(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For questions regarding this product, contact us by mail or telephone:

- Hewlett-Packard Company P. O. Box 692000, Mail Stop 530113 Houston, Texas 77269-2000
- 1-800-HP-INVENT (1-800-474-6836).(For continuous quality improvement, calls may be recorded or monitored.)

For questions regarding this FCC declaration, contact us by mail or telephone:

- Hewlett-Packard Company P. O. Box 692000, Mail Stop 510101 Houston, Texas 77269-2000
- 1281-514-3333

To identify this product, refer to the part, series, or model number found on the product.

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Hewlett-Packard Company may void the user’ s authority to operate the equipment.

Canadian notice (Avis Canadien)

Class A equipment

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

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Class B equipment

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

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

European Union regulatory notice

Products bearing the CE marking comply with the following EU Directives:

- Low Voltage Directive 2006/95/EC
- EMC Directive 2004/108/EC
- Ecodesign Directive 2009/125/EC, where applicable
- RoHS Directive 2011/65/EU

CE compliance of this product is valid if powered with the correct CE-marked AC adapter provided by HP.

Compliance with these directives implies conformity to applicable harmonized European standards (European Norms) that are listed in the EU Declaration of Conformity issued by HP for this product or product family and available (in English only) either within the product documentation or at the following HP website **http://www.hp.eu/certificates** (type the product number in the search field).

Compliance is indicated by the CE marking as shown below.Where applicable for telecommunications products, a 4-digit notified body number may follow it as a suffix.

CE

Please refer to the regulatory label provided on the product.

The point of contact for regulatory matters is Hewlett-Packard GmbH, Dept./MS:HQ-TRE, Herrenberger Strasse 140, 71034 Boeblingen, GERMANY.

Korean notice

A급 기기 (업무용 방송통신기기)	이 기기는 업무용(A급)으로 전자파적합등록을 한 기기이오니 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정 외의 지역에서 사용하는 것을 목적으로 합니다.
---------------------------	--

B급 기기 (가정용 방송통신기기)	이 기기는 가정용(B급)으로 전자파적합등록을 한 기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.
---------------------------	---

レーザー規定

光ファイバー接続を使用しているアダプターの場合、光ファイバーモジュールは、米 国政府およびIEC 60825-1で定めるClass 1のレーザー装置基準に適合したレーザー装置を搭載しており、通常の使用では人体に有害なレーザー光線を装置外部に放射することはありません。

各レーザー装置は21CFR 1040.10および1040.11に適合しています（2007年6月24日付Laser Notice No.50に準ずるため違反する場合を除く）。また、IEC 60825-1:2007に適合しています。

!	警告 ：このガイドまたはレーザー製品のインストレーションガイドに記載された以外の手順や制御、調整を行うと、危険なレーザー光線をあびる場合があります。レーザー光線の放射によるけがや装置の損傷を防止するために、次の注意事項を守ってください。 <ul style="list-style-type: none">モジュールのカバーを開けないでください。ユーザーが修理できるコンポーネントはありません。 一般のユーザーが、レーザー装置に対して本書に記載された以外の修理、調整等は絶対に行しないでください。 内蔵レーザー装置の保守や修理は、必ず、HPのサービス窓口にご依頼ください。
----------	---

米国食品医薬局CDRH（Center for Devices and Radiological Health）のレーザー製品に関する規定（1976年8月2日施行）は1976年8月1日以降に製造されたレーザー製品に適用されます。米国内で販売されるすべての製品がこの規定に適合しなければなりません。

!	警告 ：感電を防止するために、システムをAC電源から完全に切り離してから、ノンホットプラグハードウェアオプションのシステムへの取り付けや交換を行ってください。すべての電源コードを抜き取って、サーバーの電源を完全に切ってください。
----------	---

!	警告 ：表面が熱くなっているため、やけどをしないように、ドライブやシステムの内部部品が十分に冷めてから手を触れてください。
----------	--