

# HP IP Console Switch with Virtual Media Installation Instructions



## **⚠ Important Safety Information**

Before installation, read *Important Safety Information* on the Documentation CD.  
قبل التثبيت، اقرأ معلومات هامة حول السلامة على القرص المضغوط .Documentation CD

Před instalací si přečtěte příručku *Důležité bezpečnostní informace* na disku CD.

安装之前，请阅读文档 CD 上的 **重要安全信息**。

安裝前，請閱讀說明文件光碟上的「**重要的安全性資訊**」。

Læs dokumentet *Vigtige sikkerhedsoplysninger på dokumentations-cd'en*, før produktet installeres.

Lesen Sie vor der Installation die *Sicherheitshinweise* auf der Documentation CD.

Enne installimist vi dokumentatsiooni CD-lt peatükki „*Tähtis ohutusteave*“.

Antes de la instalación, lea la sección *Información de seguridad importante* del CD Documentación.

Avant l'installation, lisez les *informations importantes relatives à la sécurité* CD Documentation.

Πριν την εγκατάσταση, διαβάστε *Σημαντικές πληροφορίες ασφαλείας* στο CD Documentation.

לפני ההתקנה, קרא את המידע הבטיחותי החשוב שב-CD Documentación.

Prije ugradnje, pročitajte *Važne sigurnosne informacije* na dokumentacijskom CD-u.

Prima dell'installazione, leggere sul CD le *Informazioni importanti sulla sicurezza*.

インストール前に、Documentation CDの『安全に使用していただくために』をお読みください。

설치하기 전에 Documentation CD의 **주요 안전 수칙**을 읽으십시오.

Pirms instalācijas, izlasiet drošības informāciju dokumentācijas CD.

Prieš diegdami perskaitykite *Svarbią saugos informaciją* dokumentacijos CD.

Telepítés előtt olvassa el a dokumentációs CD *Fontos biztonsági tudnivalók* dokumentumát.

Lees de *Belangrijke veiligheidsinformatie* op de documentatie-cd voordat u de installatie uitvoert.

Les "Viktig sikkerhetsinformasjon" på dokumentasjons-CDen før du installerer dette produktet.

Przed instalacją przeczytaj *Ważne informacje dotyczące bezpieczeństwa* na dysku CD Documentation.

Antes da instalação, leia as *Informações Importantes sobre Segurança* no CD da Documentação.

Перед установкой ознакомьтесь с разделом *Указания по технике безопасности* на компакт-диске «Документация».

Pred inštaláciou si prečítajte časť *Dôležité bezpečnostné informácie* na disku Documentation CD.

Pred nameštviyo preberite *Pomembne varnostne informacije* na CD-ju Documentation.

Tärkeisiin turvatietoihin" Documentation CD -levyllä ennen tuotteen asentamista.

Läs dokumentet *Viktig säkerhetsinformation* på dokumentations-cd:n innan du installerar denna produkt.

Yüklemeden önce, Documentation CD'sindeki *Önemli Güvenlik Bilgileri*'ni okuyun.

Перед установкою прочитайте *Важливі відомості з безпеки* на CD документації.

## Installation overview

The console switch ships with rack-mounting brackets for easy integration into the rack. Before installing the console switch and other components in the rack cabinet (if they are not already installed), stabilize the rack in a permanent location. Begin installing the equipment at the bottom of the rack cabinet, and then work to the top. Avoid uneven loading or overloading of the rack cabinets.

## Rack-mount safety instructions

When rack-mounting a console switch, consider the following factors:

- Elevated operating ambient temperature—If the equipment is installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment might be greater than room ambient temperature. Install the equipment in an environment compatible with the operating temperature.
- Reduced air flow—In the rack, the rate of air flow required for safe operation of the equipment must not be compromised.
- Mechanical loading—Avoid a potentially hazardous condition caused by uneven mechanical loading by carefully mounting the equipment in the rack.
- Circuit overloading—When connecting the equipment to the supply circuit, consider the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Consider the equipment nameplate ratings when addressing this concern.
- Reliable earthing—Maintain reliable earthing of rack-mounted equipment. Pay particular attention to supply connections other than direct connections to the branch circuit, such as the use of power strips.

© Copyright 2006 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.

# Installation checklist

Before installation, refer to the following lists to be sure that all of the listed components were received.

## Console switch kit contents

- Console switch
- Power cords
- Rack mounting kit
- Serial cable
- Documentation kit

This kit might contain extra hardware for your convenience.

## Required items not included

- Interface adapters

One interface adapter is needed for each server or device.

- USB 2.0 with Virtual Media
- PS2 with Virtual Media
- USB (not Virtual Media capable)
- PS2 (not Virtual Media capable)
- Serial
- HP Bladesystem CAT5 KVM (not Virtual Media capable)
- UTP CAT5 cable (CAT6 and CAT7 can also be used)

## Optional item

Expansion module (not Virtual Media capable)

## Required tools

The following tools are required for some procedures:

- Phillips screwdriver
- Cage nut insertion tool (included with your original rack hardware kit)

# Rack-mounting the console switch



**NOTE:** Before installing the HP IP Console Viewer with Virtual Media into the rack, connect the HP IP Console Viewer with Virtual Media to a power source, using the power cords provided, and power on the unit. An activity indicator light is displayed after a few seconds. If the activity indicator light does not display, be sure that the power is on, the power cord is connected, and the power source is valid.

Several rack-mounting configurations include:

- Side-mount
  - Type A—Square- and round-hole rails
  - Type B—Square-hole rails

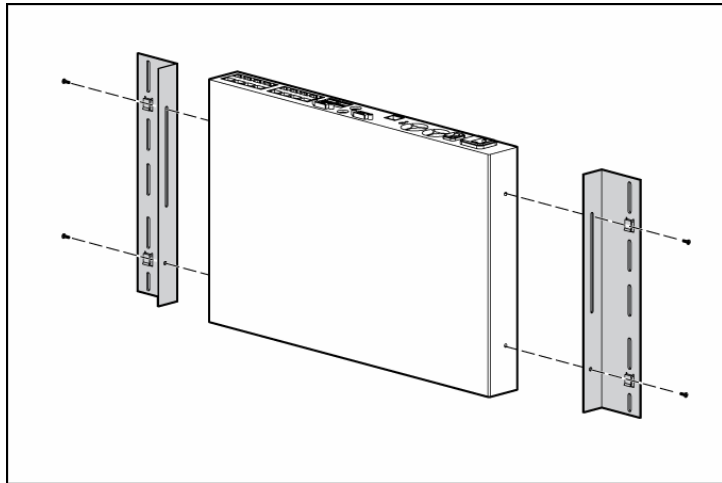


**NOTE:** The HP IP Console Viewer with Virtual Media cannot be side-mounted into a rack with round-hole rails.

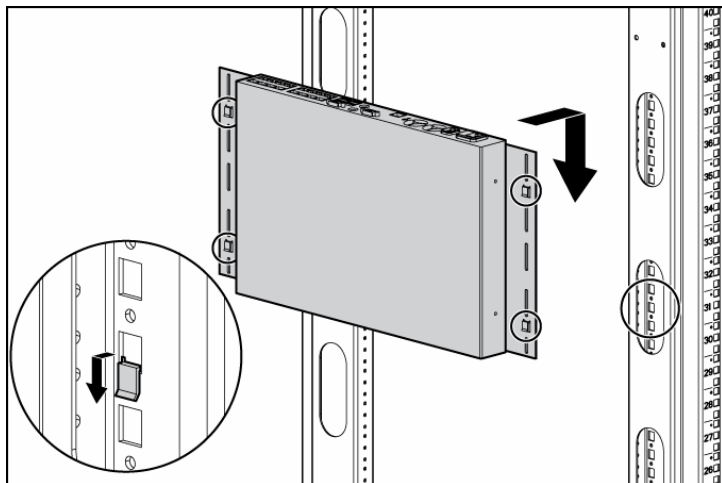
- Standard-mount
- Cantilever-mount
  - Type A—Round-hole rails
  - Type B—Square-hole rails

## Performing a side-mount type A installation

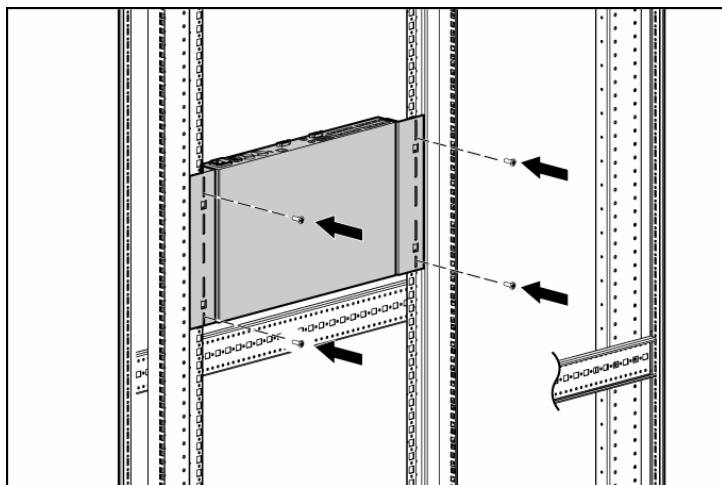
1. Remove the four screws, two on each side, from the console switch.
2. Attach the side-mounting brackets to the console switch using the four screws that you removed.



3. Slide the side-mounting bracket tabs into the U locations on each side of the rack.

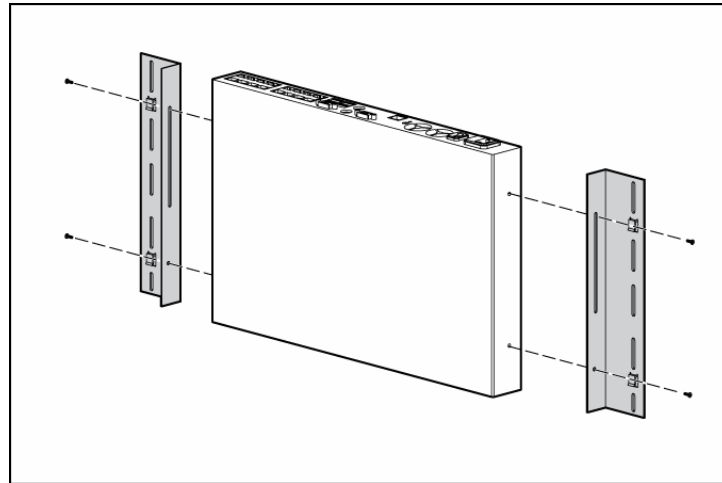


4. Secure the console switch to the rails using four self-tapping screws, two on each side.

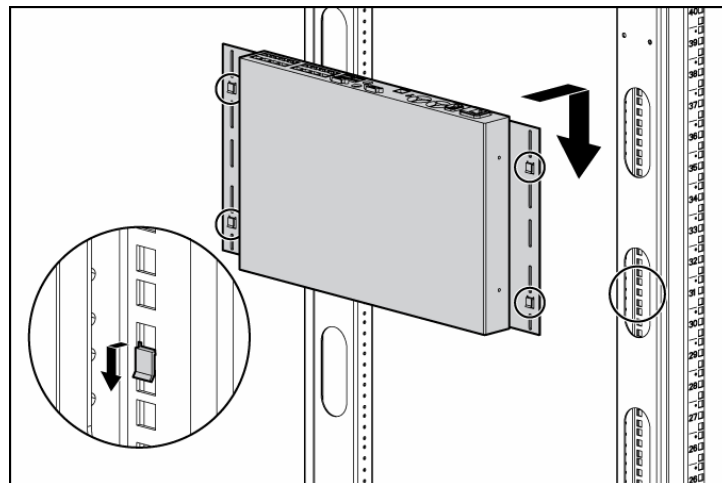


## Performing a side-mount type B installation

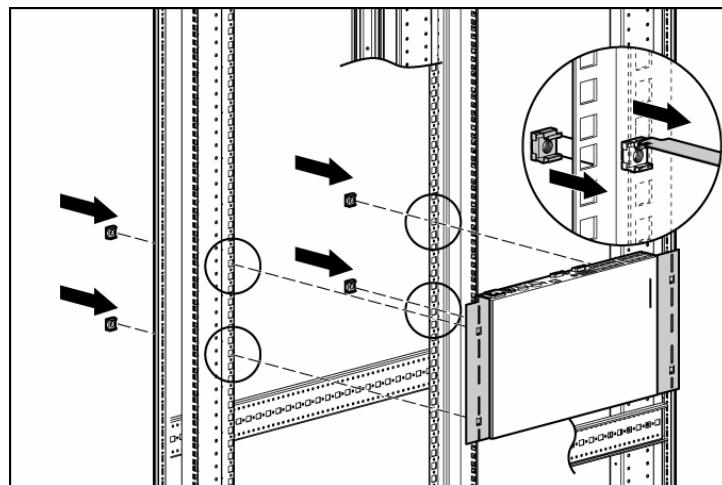
1. Remove the four screws, two on each side, from the console switch.
2. Attach the side-mounting brackets to the console switch using the four screws that you removed.



3. Slide the side-mounting bracket tabs into the U locations on each side of the rack.



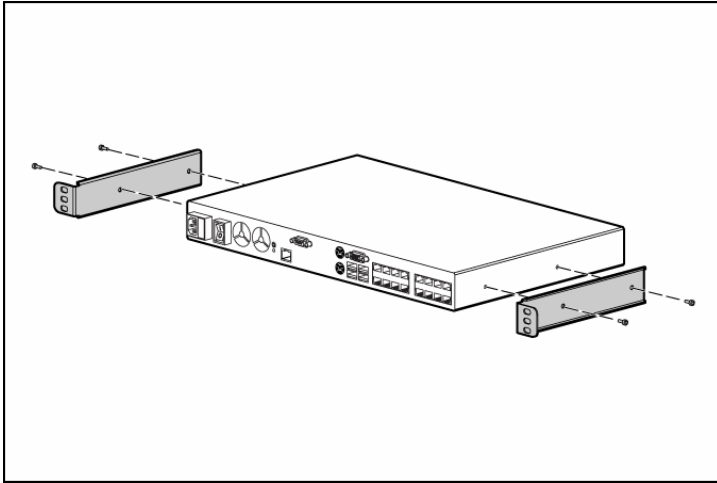
4. Install four cage nuts into the side-mounting bracket U locations.



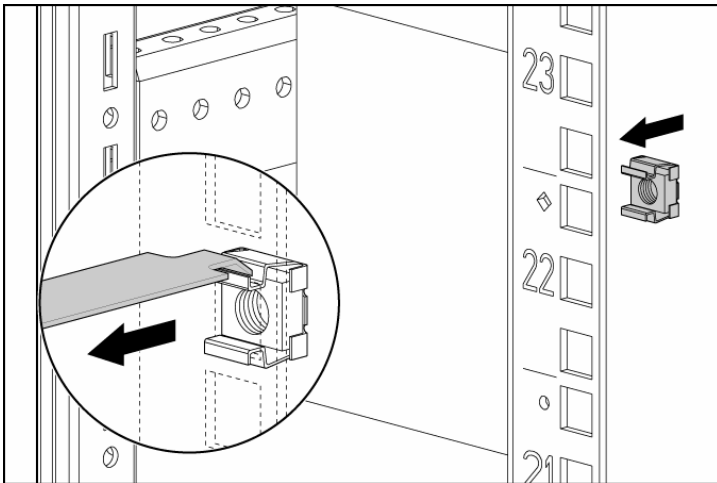
5. Secure the console switch to the rails, using four M-6 screws, two on each side.

## Performing a standard-mount installation

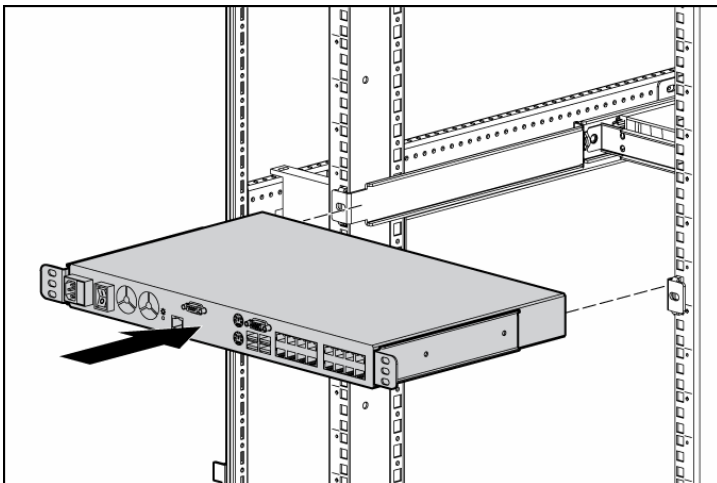
1. Remove the four screws, two on each side, from the console switch.
2. Attach the 1U brackets to the console switch using the four screws that you removed.



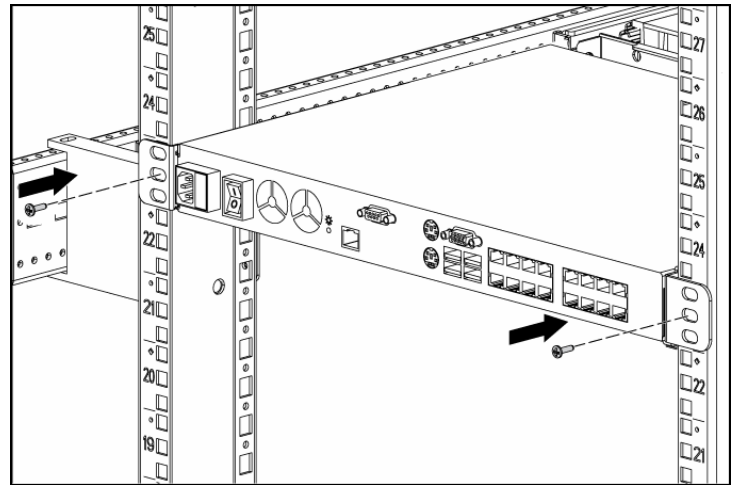
3. Install a cage nut behind each rear rail, if the cage nuts have not already been installed.



4. Slide the console switch behind the rear of the 1U product.

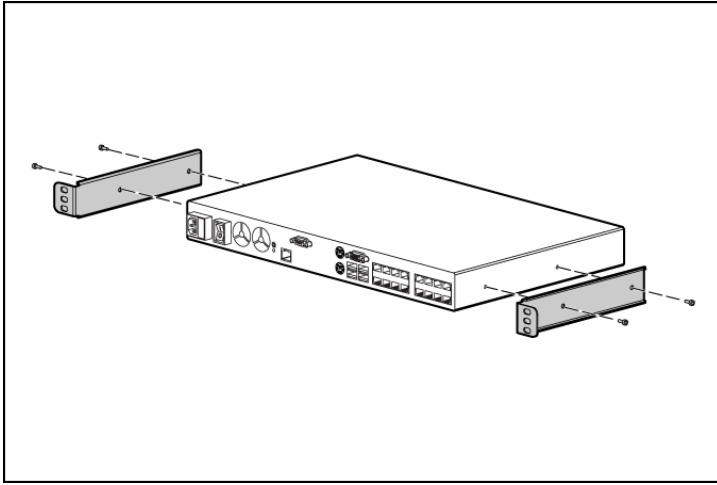


5. Secure the console switch to the rails using two M-6 screws, one on each side.

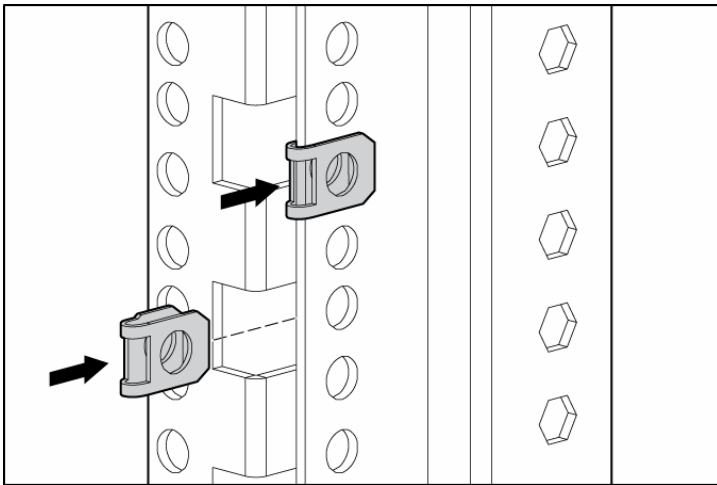


## Performing a cantilever-mount type A installation

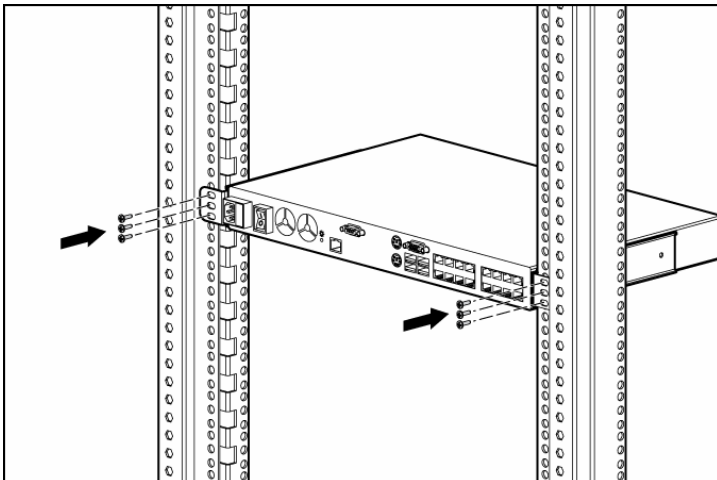
1. Remove the four screws, two on each side, from the console switch.
2. Attach the 1U brackets to the console switch using the four screws that you removed.



3. Install up to six clip nuts.

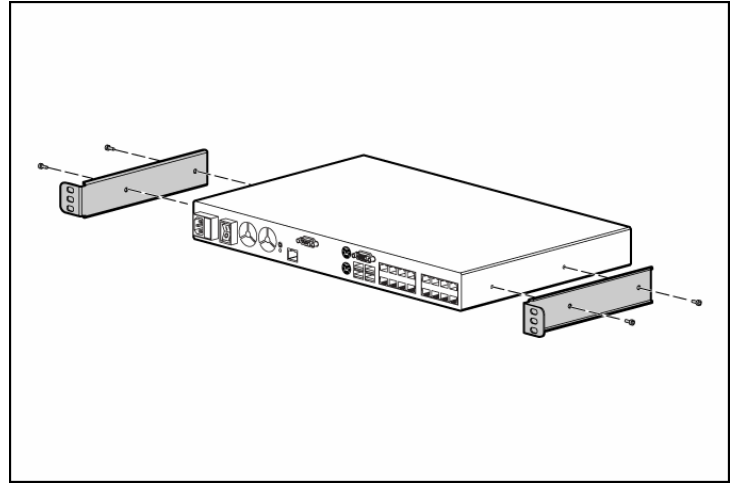


4. Secure the console switch to the rails, using the appropriate number of T-25 Torx screws.

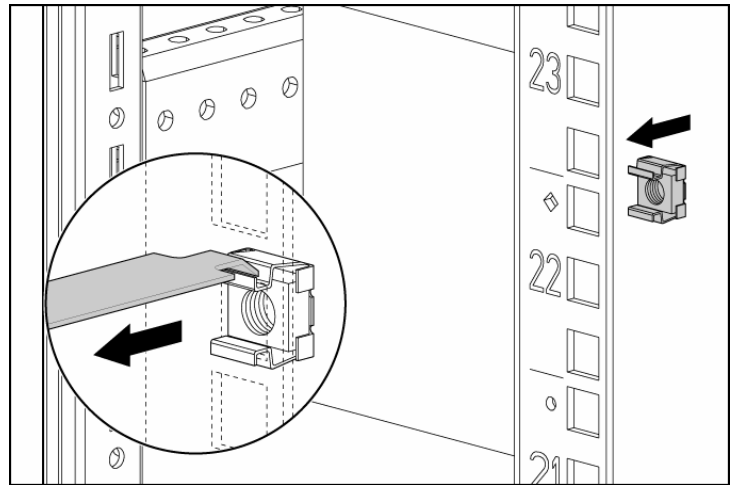


## Performing a cantilever-mount type B installation

1. Remove the four screws, two on each side, from the console switch.
2. Attach the 1U brackets to the console switch using the four screws that you removed.



3. Install up to six cage nuts.



4. Secure the console switch to the rails using the appropriate number of M-6 screws.

