



**Installation and  
Reference Guide**

HP J3257A

**HP AdvanceStack Remote 2C**



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# HP AdvanceStack Remote 2C

## Installation and Reference Guide

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### **Publication Number**

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### **Applicable Product**

HP J3231A Remote 2C and AdvanceStack Internet Router Bundle

HP J3138A AdvanceStack Internet Router Module

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### **Warranty**

A copy of the specific warranty terms applicable to your Hewlett-Packard products and replacement parts can be obtained from your HP Sales and Service Office or authorized dealer.

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# HP Customer Support Services

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The warranty booklet shipped with the HP Remote 2C describes the support for this product. For module updates, see HP's Web Site. For white papers and module updates, see HP's web site or HP's fax retrieval service as described below.

## **World Wide Web**

[http://www.hp.com/go/network\\_city](http://www.hp.com/go/network_city)

From this web site, you can access information on the HP networking products. If you have a growing network, download the *Designing HP AdvanceStack Networks Guide* or call 1-800-752-0900 in the U.S. to receive a copy through the mail.

## **HP FIRST Fax Retrieval Service**

HP FIRST is an automated fax retrieval service that is available 24 hours a day, seven days a week. HP FIRST provides information on the following topics:

- Product information
- Troubleshooting instructions
- Technical reviews and articles
- Configuration information

To access HP FIRST, dial one of the following phone numbers:

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<b>Location</b>	<b>Phone Number</b>
U.S. and Canada Only	Dial 1 (800) 333-1917 with your fax machine or touch-tone phone and press 1.
Outside the U.S. and Canada	Dial 1 (208) 344-4809 from your fax machine and press 9.

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To receive a list of currently available documents, enter document number 19941. The information you requested will be sent to you by return fax. For other countries, see <http://www.hp.com/cposupport/eschome.html>.

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*(Please turn over for additional HP Support)*

### **Additional HP Support Services**

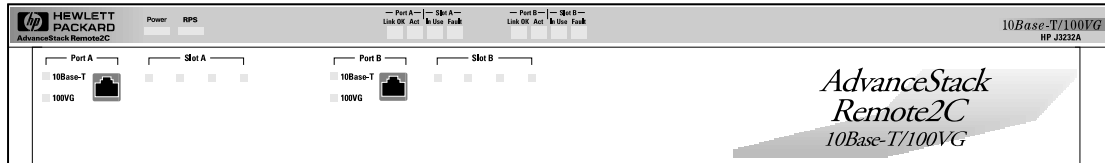
In addition to the above services, you can purchase various HP telephone support services which provide you expert HP technical assistance:

- Network Phone-In Support provides you support at an hourly rate. In the U.S., call 1-800-790-5544. In other countries, please contact your local HP Response Center to see if this service is available in your country.
- HP SupportPack Comprehensive Network Support provides complete problem resolution for medium to large interconnected local and wide area networks. Contact your HP Authorized Reseller or the nearest HP Sales and Support Office for more information.

HP offers other hardware support services. Please contact your reseller for more information.

# Installing the HP AdvanceStack Remote 2C

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The features of the HP J3257A AdvanceStack Remote 2C are:

- **Two Slots for Modules.** These slots will accept the HP J3138A AdvanceStack Internet Router Modules. (Other modules may be available. Contact your HP-reseller or authorized dealer for details.)

In the Remote 2C, you can install one of each module above or two modules of the same type. Each module is hot swappable so that you can leave the power on while inserting or removing modules.

- **Auto-Sense of Ethernet or 100VG Connections.** You can connect your remote users to your Ethernet and 100VG networks through the two RJ-45 connectors on the front of the Remote 2C. Each connector senses and selects the speed of your network and corresponds to a module installed in the back of the Remote 2C.
- **Redundant Power.** When the Remote 2C is connected to the HP J2962A AdvanceStack Redundant Power Supply, the Remote 2C will be protected by redundant power.
- **LEDs for troubleshooting.** In addition to each module having LEDs, the Remote 2C has front panel LEDs that show the status of the modules and the connections to the Ethernet or 100VG network.
- **Rack-mountable design.** The Remote 2C can be mounted in a 19-inch telco rack using the included mounting brackets.

This guide shows you how to install one or more module(s) into the Remote 2C and how to connect the Remote 2C to your Ethernet or 100VG LAN.

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## Verifying Included Parts

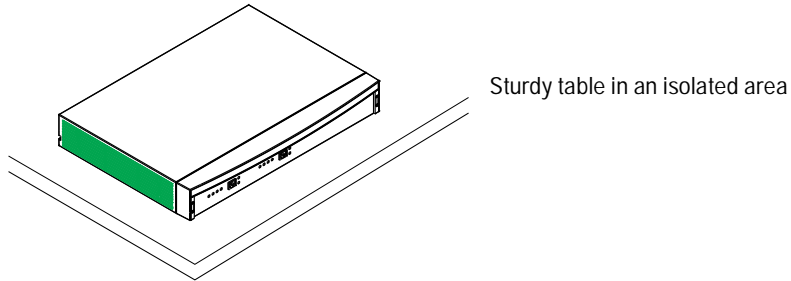
The Remote 2C has the following components shipped with it:

- This manual: *HP AdvanceStack Remote 2C Installation and Reference Guide* (J3257-90004)
- Warranty booklet
- Power cord, one of the following:
  - Australia/New Zealand (8120-6810)
  - Denmark (8120-6814)
  - Europe (8120-6811)
  - Japan (8120-6798)
  - South Africa (8120-6813)
  - Switzerland (8120-6815)
  - United Kingdom (8120-6809)
  - United States/Canada (8120-6812)
- Accessory kit (5063-8570):
  - two mounting brackets
  - two cable ties
  - four M3 screws to attach brackets to Remote 2C
  - four 5/8-inch number 12-24 screws to attach Remote 2C to rack
- HP AdvanceStack Product CD

## Mounting the Remote 2C

The Remote 2C can be mounted in three ways:

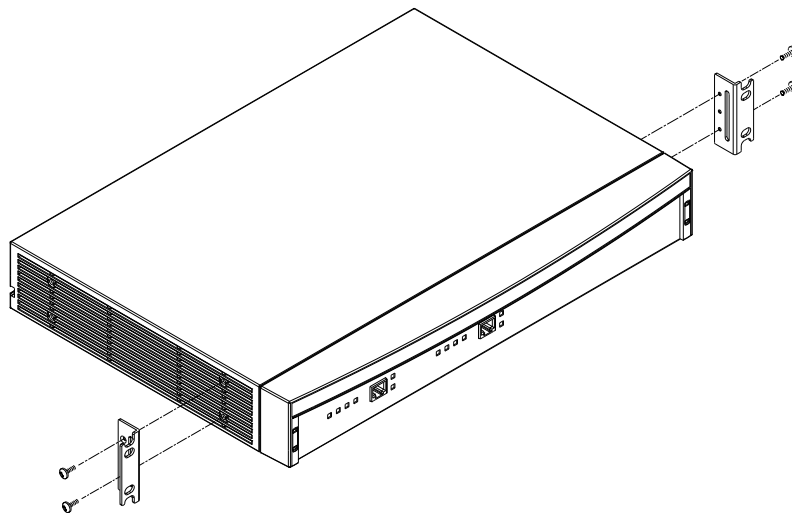
- on a table
- in a rack or cabinet
- on a wall



### Remote 2C in a Rack or Cabinet

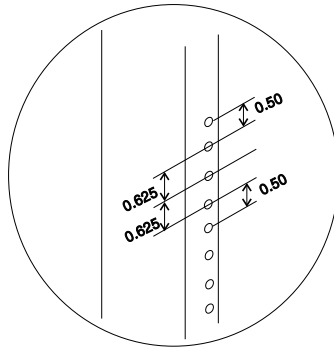
The Remote 2C is designed to be mounted in any EIA-standard 19-inch telco equipment rack. For your safety, read the mounting precautions in “Safety and Regulatory” at the end of this guide before mounting the Remote 2C.

1. Attach the mounting brackets to the Remote 2C with the included 10-mm M3 screws.

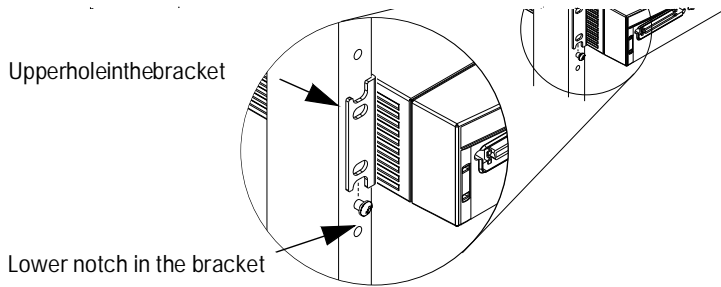


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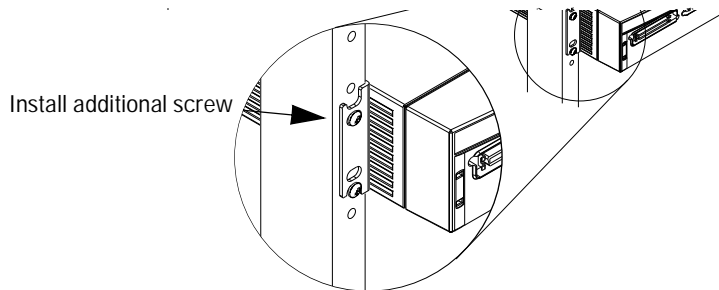
- Partially install a screw (5/8-inch number 12-24) into the top hole of a pair of holes 0.5 inches apart in each rack/cabinet upright. Tighten each screw two turns. Ensure that the screws in each upright are at the same level.



- Place the HP Remote 2C in the rack and lower it so the notches in the bottom of the bracket slide onto the screws. Tighten these screws-*be careful not to overtighten.*



- Install the other number 12-24 screw into the upper hole in each bracket. Tighten these screws-*be careful not to overtighten.*

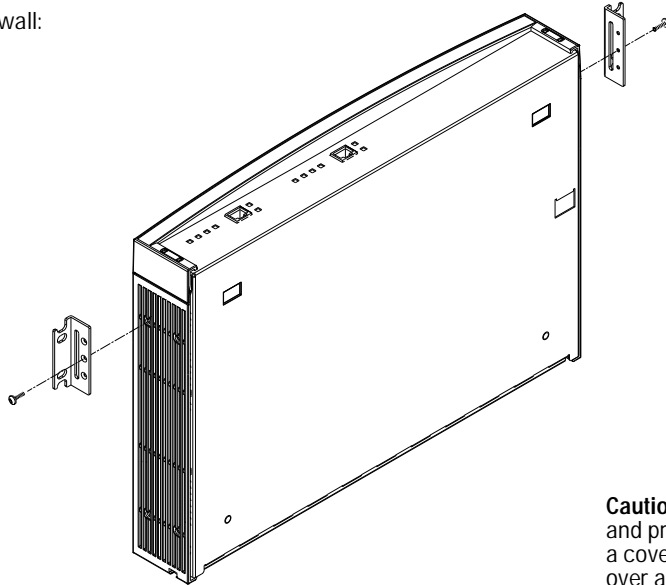


## Mounting the Remote 2C on a Wall

You can put one Remote 2C on a wall or stack two Remote 2Cs together on a wall. Note that a Remote 2C should be mounted only to a wall or wood surface that is at least 1/2-inch plywood or its equivalent.

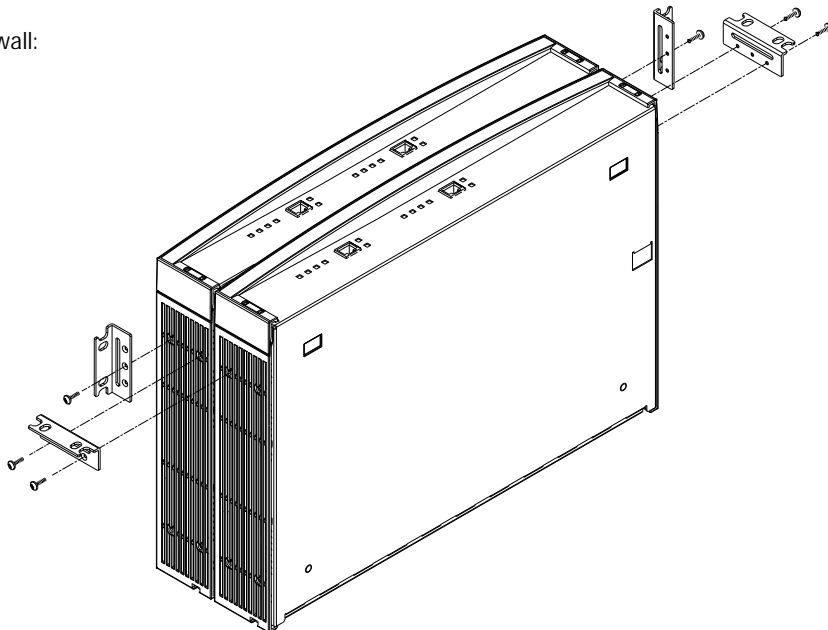
Attach the Remote 2C to the wall or wood surface with 5/8-inch number 12 wood screws:

One Remote 2C on a wall:



**Caution:** For continued safety and product cooling, ensure a cover plate is installed over any open module slot.

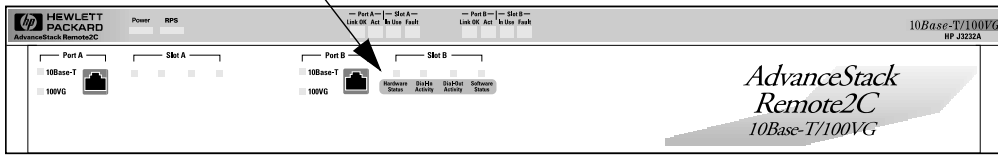
Two Remote 2Cs on a wall:





- Each module is shipped with a module label. Insert the module's label into the front of the Remote 2C for the module in the back of the Remote 2C:

Slide the Module label in until each word is legible:

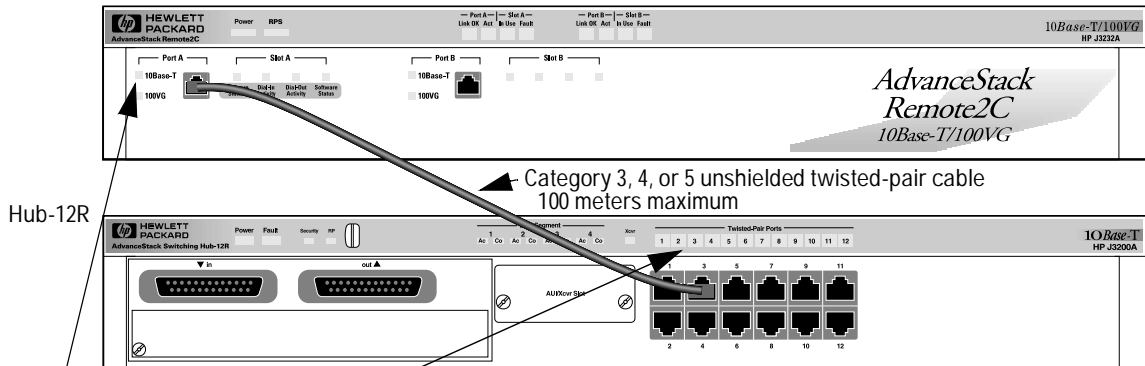


## Connecting Cables From the Remote 2C To the Office LAN

The Remote 2C has two RJ-45 ports on the front of the box for connecting each module to your LAN. *For auto-detection of LAN speed (10Base-T or 100VG), be sure to connect twisted-pair cable to these connectors before powering on the Remote 2C.* Follow the illustrations below to connect the Remote 2C to your LAN:

Example 1: Remote 2C connected to an Ethernet Switching Hub-12R

Remote 2C

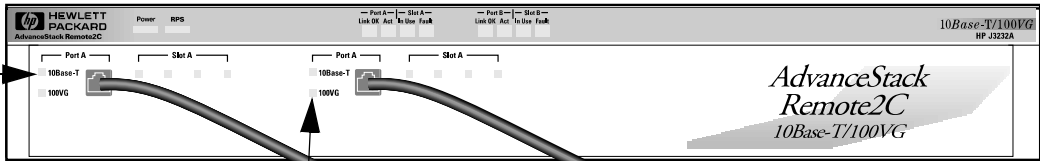


LED should light if power is connected to both the Remote 2C and the hub.

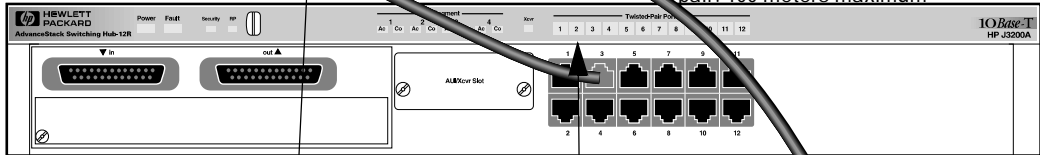
*(continued on next page)*

## Example 2: Remote 2C connected to an Ethernet Switching Hub-12R and a 100VG Hub-14

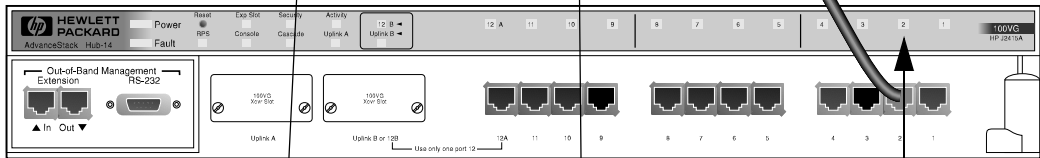
Remote 2C



Ethernet Hub-12R



100VG Hub-14

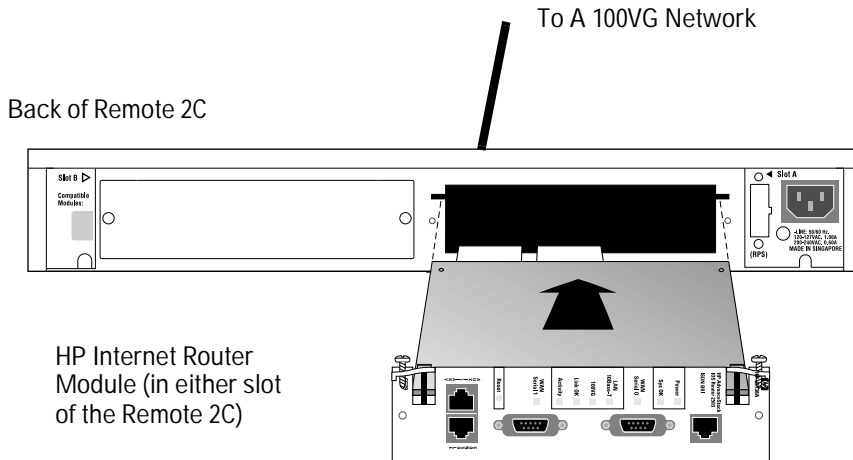


Category 3, 4, or 5 unshielded twisted pair. 100 meters maximum

LED should light if power is connected to the Remote 2C and hubs.

# Connecting an HP Remote 2C and HP Internet Router Module To a 100VG Network

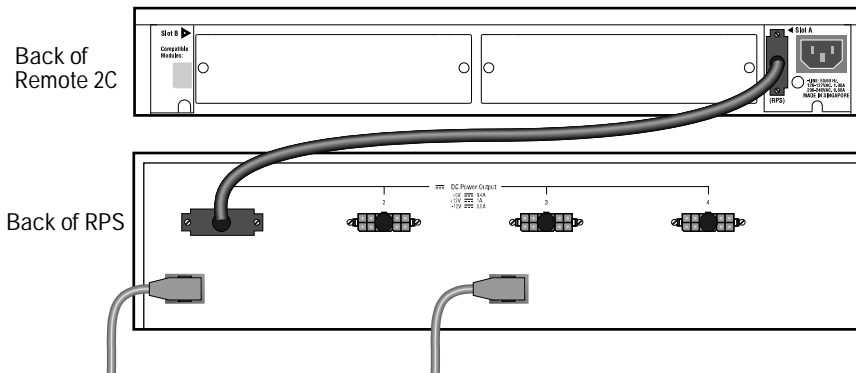
If you have the following topology:



In the above topology, HP does not recommend configuring the HP Internet Router Module for bridging. Instead configure the router to route IP, IPX, and Appletalk protocols. This is because bridging forwards multicast and broadcast packets from the 100 Mbit/s network to the much slower T1 or ISDN lines. This will overload the WAN link with traffic. In routing mode, the Router will not forward multicast and broadcast packets off of the network.

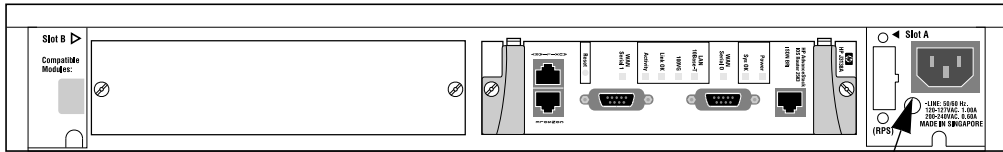
## Connecting Power using an RPS or AC Power

1. *(Optional.)* This product is supported by the HP J2962A Redundant Power Supply (RPS). If you have this HP RPS, connect the RPS to the Remote 2C now.



*(continued on next page)*

- If you are not using an RPS, plug the included power cord into the Remote 2C's power cord receptacle and into an AC power source as shown below.



Power receptacle on the back of the Remote 2C

- After power has been applied to the Remote 2C, it executes a self test. Check the LEDs during self test. Self test lasts up to 3 seconds for the Remote 2C and then each module executes its own self test simultaneously. The self test time for each module varies depending on which modules are installed. The Internet Router Module requires approximately 60 seconds. If both modules are installed, self test time is still approximately 60 seconds because the modules self test simultaneously:

**During Self Test:**

All LEDs are ON for the Remote 2C. Then some of the Remote 2C's LEDs turn off while the modules are tested.

**After Self Test:**

LEDs For:	LEDs that are ON
Front of Remote 2C	Power RPS (if connected) In Use for Slot A and/or Slot B 10Base-T or 100VG
Internet Router Module	Power Sys Ok LAN 10Base-T 100VG Link OK
Internet Router Module Slide-In Label	LAN Activity

## Description of LEDs on the Remote 2C

The Remote 2C has the following LEDs:

LED	State	Meaning
Power (green)	ON	The Remote 2C is receiving power.
	OFF	The Remote 2C is not receiving power.
Global Fault (orange)	ON	One or both slot modules experienced a hardware problem.
RPS (green)	OFF	The Remote 2C is not receiving power from the HP J2962A Redundant Power Supply (RPS).
	ON	The Remote 2C is receiving power from the connected RPS.
	Flashing	An error has occurred on the RPS connected to the Remote 2C. See the documentation provided with the RPS for troubleshooting.
10Base-T (green)	ON	The corresponding module is connected to a 10Base-T or Ethernet network.
100VG (green)	ON	The corresponding module is connected to a 100VG network.
	OFF	The port is not connected to any network or no slot module is present.
In Use (green)	ON	The module is inserted in the slot correctly.
	OFF	A module is not inserted in the slot or is inserted incorrectly.
Act(ivity) (green)	Flickering	Shows the amount of activity for the network connected to a port.
Link OK (green)	On	The LAN connected to the RJ-45 connector is providing link beat (Ethernet) or training was successful (100VG).
	Off	Link beat is not detected.
	Flashing	The port is partitioned because of excessive collisions.
Slot Specific LEDs (4)		See the manual for that module for LED behavior.
Slot Fault (orange)	On	This module has experienced a failure. See Troubleshooting on page 13.
	Off	The normal state. Indicates that there are no fault conditions on the module. Refer to the four slot specific LEDs for more troubleshooting information.



## Troubleshooting the Remote 2C

Use the following table to determine the problem with your Remote 2C. Also consult the LED table on page 11. If you are still having problems with the Remote 2C, see the Customer Support page at the beginning of this manual for information on how to contact HP.

Problem	Solution
All LEDs are lit on the Remote 2C and remain lit.	Verify that each module is fully inserted, extractor handles down, screws tightened.
The 10Base-T or 100VG LED for a twisted-pair port is not lit when a cable is connected.	Verify that the cable is secure and is 4-pair, Category 3 or better. Try a different cable. Verify that the connected device is powered on. Try a different port. Verify that the cable length did not exceed 100 meters. Verify that the port is <i>enabled</i> and not disabled. Verify that the module is fully inserted and the appropriate "In Use" LED is on.
The Fault LED is on for a module.	Remove and insert the module into a different slot. If the symptoms are the same, contact your HP-authorized reseller or dealer to replace the module.

# Specifications

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## Physical

Width	44.2 cm (17.4 in)
Depth	29.8 cm (11.7 in)
Height	6.6 cm (2.6 in)
Weight	4.4 kg (9.8 lb) (with no modules in the Remote 2C)

## Electrical

The Remote 2C automatically adjusts to any voltage between 100-127 and 200-240 volts and either 50 or 60 Hz.

	<b>Operating</b>	<b>Non-Operating</b>
AC voltage:	100-127 volts	200-240 volts
Maximum current:	1.3 A	0.75 A
Frequency range:	50/60 Hz	50/60 Hz

The maximum current ratings represent the current that could be drawn with fully loaded module slots.

## Environmental

	Operating Temperature	Non-Operating Temperature
Temperature	+0°C to +55°C (32°F to 131°F)	-40°C to 70°C (-40°F to 158°F)
Relative humidity (non-condensing)	15% to 95% at 40°C (104°F)	15% to 90% at 65°C (149°F)
Maximum altitude	4.6 km (15,000 ft)	4.6 km (15,000 ft)

## Electromagnetic

### Emissions

Verified to:

FCC part 15 Class A

CISPR22 / EN55022 Class A

VCCI Class 1

### Immunity

EN50082-1

(See the Declaration of Conformity at the end of the Safety and Regulatory Statements at the end of this guide.)

### Safety

Complies with

IEC 950: (1991)+A1,A2/.EN60950 (1992)+A1,A2

UL1950

CSA 950

### Acoustic Noise

Geraeuschemission LwA=53 dB am fiktiven Arbeitsplatz nach DIN 45635 T.19



# Safety and Regulatory Statements

This chapter covers the following topics:

- mounting precautions
- power precautions
- safety and regulatory statements
- Declaration of Conformity

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## Mounting Precautions

When you put the Remote 2C into a rack, follow these mounting precautions:

- The rack or cabinet should be adequately secured to prevent it from becoming unstable and/or falling over. The first unit (e.g. hub, switch, or Remote 2C) should be mounted in a position toward the bottom of the rack for stability and to make it easier to stack the other products on top.
- Before mounting a Remote 2C, plan its location and orientation relative to other devices and equipment. Also consider the cabling that will be attached to the Remote 2C and the ports that will be used. Verify that there is room for the grouped cables to trail out from the side of the Remote 2C. Allow at least 2.54 cm (1 inch) in the front of the Remote 2C. In the back of the Remote 2C, allow at least 3.8 cm (1 1/2 inches) of space for the power cord.
- Ensure that the Remote 2C does not overload the power circuits, wiring, and over-current protection. To determine the possibility of overloading the supply circuits, add together the amperage ratings from the nameplates of all the other equipment installed on the same circuits and compare the total with the rating limits for the supply circuits.
- Make sure that the power source circuits are properly grounded, then use the supplied power cord to connect the Remote 2C to the circuit. *See the Safety Statements in this chapter.*
- Do not install the Remote 2C in an environment where the operating ambient temperature might exceed 55°C (131°F).
- Make sure the air flow around the sides of the Remote 2C is not restricted.
- Make sure to reinstall the cover plate over any open module slots. This is required not only for safety, also to ensure proper cooling.

## Power Precautions

Follow these precautions when unplugging and plugging in power to the Remote 2C as well as adding or removing modules.

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### Caution

If your installation requires a different power cord than the one supplied with the Remote 2C, be sure to use a power cord displaying the mark of the safety agency that defines the regulations for power cords in your country. The mark is your assurance that the power cord can be used safely with the Remote 2C.

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### Note

The Remote 2C does not have a power switch; it is powered on when the power cord is plugged in. The Remote 2C's power supply automatically adjusts to any AC power source between 100-127 volts and 200-240 volts. There are no voltage range settings to configure.

When installing the Remote 2C, note that the AC outlet must be installed near the equipment and should be easily accessible.

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## Safety Information



Documentation reference symbol. If the product is marked with this symbol, refer to the product documentation to get more information about the product.

### WARNING

A WARNING in the manual denotes a hazard that can cause injury or death.

### CAUTION

A CAUTION in the manual denotes a hazard that can damage equipment.

Do not proceed beyond a WARNING or CAUTION notice until you have understood the hazardous conditions and have taken appropriate steps.

### Grounding

These are safety class I products and have protective earthing terminals. There must be an uninterruptible safety earth ground from the main power source to the product's input wiring terminals, power cord, or supplied power cord set. Whenever it is likely that the protection has been impaired, disconnect the power cord until the ground has been restored.

For LAN cable grounding:

- If your LAN covers an area served by more than one power distribution system, be sure their safety grounds are securely interconnected.
- LAN cables may occasionally be subject to hazardous transient voltages (such as lightning or disturbances in the electrical utilities power grid). Handle exposed metal components of the network with caution.

### Servicing

There are no user-serviceable parts inside these products. Any servicing, adjustment, maintenance, or repair must be performed only by service-trained personnel.

These products do not have a power switch; they are powered on when the power cord is plugged in.

## Informations concernant la sécurité



Symbole de référence à la documentation. Si le produit est marqué de ce symbole, reportez-vous à la documentation du produit afin d'obtenir des informations plus détaillées.

### WARNING

Dans la documentation, un WARNING indique un danger susceptible d'entraîner des dommages corporels ou la mort.

### CAUTION

Un texte de mise en garde intitulé CAUTION indique un danger susceptible de causer des dommages à l'équipement.

Ne continuez pas au-delà d'une rubrique WARNING ou CAUTION avant d'avoir bien compris les conditions présentant un danger et pris les mesures appropriées.

**Cet appareil est un produit de classe I et possède une borne de mise à la terre. La source d'alimentation principale doit être munie d'une prise de terre de sécurité installée aux bornes du câblage d'entrée, sur le cordon d'alimentation ou le cordon de raccordement fourni avec le produit. Lorsque cette protection semble avoir été endommagée, débrancher le cordon d'alimentation jusqu'à ce que la mise à la terre ait été réparée.**

### Mise à la terre du câble de réseau local:

- si votre réseau local s'étend sur une zone desservie par plus d'un système de distribution de puissance, assurez-vous que les prises de terre de sécurité soient convenablement interconnectées.
- Les câbles de réseaux locaux peuvent occasionnellement être soumis à des surtensions transitoires dangereuses (telles que la foudre ou des perturbations dans le réseau d'alimentation public). Manipulez les composants métalliques du réseau avec précautions.

Aucune pièce contenue à l'intérieur de ce produit ne peut être réparée par l'utilisateur. Tout dépannage, réglage, entretien ou réparation devra être confié exclusivement à un personnel qualifié.

Cet appareil ne comporte pas de commutateur principal ; la mise sous tension est effectuée par branchement du cordon d'alimentation.

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## Hinweise zur Sicherheit



Symbol für Dokumentationsverweis. Wenn das Produkt mit diesem Symbol markiert ist, schlagen Sie bitte in der Produktdokumentation nach, um mehr Informationen über das Produkt zu erhalten.

### WARNING

Symbol für Dokumentationsverweis. Wenn das Produkt mit diesem Symbol markiert ist, schlagen Sie bitte in der Produktdokumentation nach, um mehr Informationen über das Produkt zu erhalten.

### CAUTION

Symbol für Dokumentationsverweis. Wenn das Produkt mit diesem Symbol markiert ist, schlagen Sie bitte in der Produktdokumentation nach, um mehr Informationen über das Produkt zu erhalten.

Fahren Sie nach dem Hinweis WARNING oder CAUTION erst fort, nachdem Sie den Gefahrenzustand verstanden und die entsprechenden Maßnahmen ergriffen haben.

**Dies ist ein Gerät der Sicherheitsklasse I und verfügt über einen schützenden Erdungsterminal. Der Betrieb des Geräts erfordert eine ununterbrochene Sicherheitserdung von der Hauptstromquelle zu den Geräteingabeterminals, den Netzkabeln oder dem mit Strom belieferten Netzkabelsatz voraus. Sobald Grund zur Annahme besteht, daß der Schutz beeinträchtigt worden ist, das Netzkabel aus der Wandsteckdose herausziehen, bis die Erdung wiederhergestellt ist.**

**Für LAN-Kabelerdung:**

- **Wenn Ihr LAN ein Gebiet umfaßt, das von mehr als einem Stromverteilungssystem beliefert wird, müssen Sie sich vergewissern, daß die Sicherheitserdungen fest untereinander verbunden sind.**
- **LAN-Kabel können gelegentlich gefährlichen Übergangsspannungen ausgesetzt werden (beispielsweise durch Blitz oder Störungen in dem Starkstromnetz des Elektrizitätswerks). Bei der Handhabung exponierter Metallbestandteile des Netzwerkes Vorsicht walten lassen.**

**Dieses Gerät enthält innen keine durch den Benutzer zu wartenden Teile. Wartungs-, Anpassungs-, Instandhaltungs- oder Reparaturarbeiten dürfen nur von geschultem Bedienungspersonal durchgeführt werden.**

**Dieses Gerät hat keinen Netzschalter; es wird beim Anschließen des Netzkabels eingeschaltet.**

## Considerazioni sulla sicurezza



WARNING

Simbolo di riferimento alla documentazione. Se il prodotto è contrassegnato da questo simbolo, fare riferimento alla documentazione sul prodotto per ulteriori informazioni su di esso.

La dicitura WARNINGdenota un pericolo che può causare lesioni o morte.

CAUTION

La dicituraCAUTION denota un pericolo che può danneggiare le attrezzature.

Non procedere oltre un avviso di WARNING o di CAUTIONprima di aver compreso le condizioni di rischio e aver provveduto alle misure del caso.

Questo prodotto è omologato nella classe di sicurezza I ed ha un terminale protettivo di collegamento a terra. Dev'essere installato un collegamento a terra di sicurezza, non interrompibile che vada dalla fonte d'alimentazione principale ai terminali d'entrata, al cavo d'alimentazione oppure al set cavo d'alimentazione fornito con il prodotto. Ogniquialvolta vi sia probabilità di danneggiamento della protezione, disinserite il cavo d'alimentazione fino a quando il collegaento a terra non sia stato ripristinato.

Per la messa a terra dei cavi LAN:

- se la vostra LAN copre un'area servita da più di un sistema di distribuzione elettrica, accertatevi che i collegamenti a terra di sicurezza siano ben collegati fra loro;
- i cavi LAN possono occasionalmente andare soggetti a pericolose tensioni transitorie (ad esempio, provocate da lampi o disturbi nella griglia d'alimentazione della società elettrica); siate cauti nel toccare parti esposte in metallo della rete.

Nessun componente di questo prodotto può essere riparato dall'utente. Qualsiasi lavoro di riparazione, messa a punto, manutenzione o assistenza va effettuato esclusivamente da personale specializzato.

Questo apparato non possiede un commutatore principale; si mette scotto tensione all'inserirsi il cavo d'alimentazione.

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## Consideraciones sobre seguridad



Símbolo de referencia a la documentación. Si el producto va marcado con este símbolo, consultar la documentación del producto a fin de obtener mayor información sobre el producto.

### WARNING

Una WARNING en la documentación señala un riesgo que podría resultar en lesiones o la muerte.

### CAUTION

Una CAUTION en la documentación señala un riesgo que podría resultar en averías al equipo.

No proseguir después de un símbolo de WARNING o CAUTION hasta no haber entendido las condiciones peligrosas y haber tomado las medidas apropiadas.

Este aparato se enmarca dentro de la clase I de seguridad y se encuentra protegido por una borna de puesta a tierra. Es preciso que exista una puesta a tierra continua desde la toma de alimentación eléctrica hasta las bornas de los cables de entrada del aparato, el cable de alimentación o el juego de cable de alimentación suministrado. Si existe la probabilidad de que la protección a tierra haya sufrido desperfectos, desenchufar el cable de alimentación hasta haberse subsanado el problema.

### Puesta a tierra del cable de la red local (LAN):

- Si la LAN abarca un área cuyo suministro eléctrico proviene de más de una red de distribución de electricidad, cerciorarse de que las puestas a tierra estén conectadas entre sí de modo seguro.
- Es posible que los cables de la LAN se vean sometidos de vez en cuando a voltajes momentáneos que entrañen peligro (rayos o alteraciones en la red de energía eléctrica). Manejar con precaución los componentes de metal de la LAN que estén al descubierto.

Este aparato no contiene pieza alguna susceptible de reparación por parte del usuario. Todas las reparaciones, ajustes o servicio de mantenimiento debe realizarlos solamente el técnico.

Este producto no tiene interruptor de potencia; se activa cuando se enchufa el cable de alimentación.

## Safety Information (Japanese)

安全性の考慮

安全記号



マニュアル参照記号。製品にこの記号がついている場合はマニュアルを参照し、注意事項等をご確認ください。

**WARNING** マニュアル中の「WARNING」は人身事故の原因となる危険を示します。

**CAUTION** マニュアル中の「CAUTION」は装置破損の原因となる危険を示します。

「WARNING」や「CAUTION」の項は飛ばさないで必ずお読みください。危険性に関する記載事項をよく読み、正しい手順に従った上で次の事項に進んでください。

これは安全性クラス I の製品で保護用接地端子を備えています。主電源から製品の入力配線端子、電源コード、または添付の電源コード・セットまでの間、切れ目のない安全接地が存在することが必要です。もしこの保護回路が損なわれたことが推測されるときは、接地が修復されるまで電源コードを外しておいてください。

LAN ケーブルの接地に関して:

- もし貴社の LAN が複数の配電システムにより電力を受けている領域をカバーしている場合には、それらのシステムの安全接地が確実に相互に結合されていることを確認してください。
- LAN ケーブルは時として危険な過度電圧（例えば雷や、配電設備の電力網での障害）にさらされることがあります。露出した金属部分の取扱いには十分な注意をはらってください。

本製品の内部にはユーザーが修理できる部品はありません。サービス、調整、保守および修理はサービス訓練を受けた専門家におまかせください。

本製品には電源スイッチがありません。電源コードを接続したとき電源入となります。

## Regulatory Statements

### FCC Class A Statement (for U.S.A. Only):

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 may cause harmful interference in which case the user will be required to correct the interference at his own expense.

### VCCI Class 1 (For Japan Only)

注意

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づく第一種情報技術装置です。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。

### European Community

This equipment complies with ISO/IEC Guide 22 and EN55022 Class A.


**Note.** 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.

### Canada

This product complies with Class A Canadian EMC requirements.

# Declaration of Conformity

The following Declaration of Conformity for the HP AdvanceStack Remote 2C complies with ISO/IEC Guide 22 and EN 45014. The declaration identifies the product, the manufacturer's name and address, and the applicable specifications that are recognized in the European community.

<b>DECLARATION OF CONFORMITY</b> according to ISO/IEC Guide 22 and EN45014	
<b>Manufacturer's Name:</b>	Hewlett-Packard Company
<b>Manufacturer's Address:</b>	8000 Foothills Blvd. Roseville, CA 95747-5502 U.S.A.
<b>declares that the product:</b>	
<b>Product Name:</b>	HP AdvanceStack Remote 2C and Internet Router Module
<b>Model Number:</b>	HP J3231A
<b>Accessories:</b>	HP J3138A
<b>conforms to the following Product Specifications:</b>	
<b>Safety:</b>	EN60950 (1992)+A1,A2 / IEC 950:1991+A1,A2
<b>EMC:</b>	EN 55022 (1994) / CISPR-22 (1993) class A EN50082-1 (1992) prEN 55024-2 (1992) / IEC 801-2 (1991) 4 kV CD, 8 kV AD prEN 55024-3 (1991) / IEC 801-3 (1984), 3 V/m prEN 55024-4 (1992) / IEC 801-4 (1988): 1 kV-(power line) 0.5 kV-(signal line)
<b>Supplementary Information:</b>	
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. LED's in this product(s) are Class-1 in accordance with EN60825-1:1994.	
Please note: the J3231A is comprised of the J3257-60001 (Remote 2C) and the J3138A (Internet Router Module).	
Tested with Hewlett-Packard Co. products only.	
Roseville, June 16, 1996	 Mike Avery Regulatory Engineering Manager
European Contact: Your local Hewlett-Packard Sales and Service Office or Hewlett-Packard GmbH, Department TRE, Herrenberger Strasse 130, D-71034 Böblingen (FAX:+49-7031-14-3143).	





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