



HARDWARE INSTALLATION GUIDE

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Polycom[®] Video Border Proxy (VBP[™]) 7301



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USA

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Components



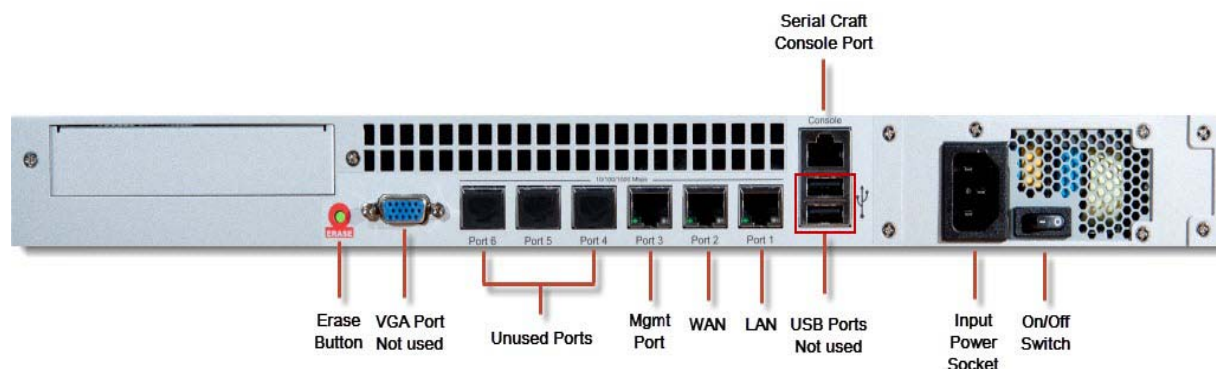
This guide provides an overview of the Polycom® VBP™ 7301 hardware components, instructions for installing the device, and compliance and certification notices. It also includes the hardware warranty.

Polycom VBP 7301 Front Panel



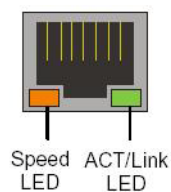
LED	Indicator	Description
Power Status	Green	Off – No Power, the system is off On – Power is good, the system is on
Data Status	Red	Off – No data access to the IDE drive On – Data is being written to the IDE drive

Polycom VBP 7301 Back Panel



Component	Description
Erase Button	<ul style="list-style-type: none"> ■ One click—No action. ■ Two clicks—Resets the CLI and GUI password with no service interruption. ■ Three clicks—Restores to factory default settings and reboots the system.
VGA Port	Currently not used
Port 6, Port 5, Port 4	Currently not used
Port 3—Management Interface	1 x 10/100/1000 Mbps RJ-45 Ethernet port for optional management network connectivity. This interface must not be on the same network as the WAN or LAN subnets. This network cannot be within a subnet contained in a "Route" statement.
Port 2—WAN Interface	1 x 10/100/1000 Mbps RJ-45 Ethernet port for connectivity to the WAN or Internet network connectivity. Default IP: None
Port 1—LAN Interface	1 x 10/100/1000 Mbps RJ-45 Ethernet port for LAN network connectivity. Default IP: 192.168.1.1
USB Ports	Currently not used
Serial Craft Console Port	1 x RJ-45 serial craft console port for management. 9600-N-8-1 NONE for flow control. An RJ-45 to DB9 console cable is included in the box with the Polycom VBP 7301.
Input Power Socket	Accepts 3-pin shroud female plug for input power.
On/Off Switch	System power on/off.

Polycom VBP 7301 Ethernet LEDs



Label	Color	Indication	Status
ACT/Link	Green	On	Ethernet port is receiving power. Good link between the Ethernet port and the connected switch.
		Off	The adapter and switch are not receiving power. No connection between both ends of the network cable. Check cable, replace cable.
	Green	Flashing	The adapter is sending and receiving network data. The frequency of the flashing varies with the amount of data being transferred.
Speed	Yellow	On	ACK/LINK LED must be on. This LED will show the system operating at 1000 Mbps.
	Green	On	ACK/LINK LED must be on. This LED shows the system operating at 100 Mbps.
		Off	ACK/LINK LED must be on. This LED shows the system operating at 10 Mbps.

Serial Craft Console Port Cable Pinout

The Polycom VBP 7301 is shipped with an RJ-45 to DB-9 cable (see example below) for connecting the RJ-45 serial craft console port to a computer to perform advanced configuration and debugging.



The RJ45-to-DB9 cable has the following pinout.

PIN	DB9 Signal	DB9 to RJ45	RJ45 Signal	PIN
1	DTR	Pin 1 to Pin 2	RTS	1
2	TXD	Pin 2 to Pin 3	DTR	2
3	RXD	Pin 3 to Pin 6	TXD	3
4	DSR	Pin 4 to Pin 7	GND	4
5	GND	Pin 5 to Pin 4 and Pin 5	SGND	5
6	DTR	Pin 6 to Pin 2	RXD	6
7	CTS	Pin 7 to Pin 8	DSR	7
8	RTS	Pin 8 to Pin 1	CTS	8

Specifications and Certifications

Item	Description
Ethernet Ports	6 x 10/100/1000 Ethernet
Serial Ports	1 x RJ-45 serial craft console port for management
Dimensions	W: 437.8mm / 17.2" x D: 445mm / 17.5" x H: 44mm / 1.73" (1U)
Weight	12.75 lbs

Power	100/240v VAC - auto-selecting, 50 to 60 Hz - 200W MAX AC Input - BTU/h = 682
Warranty	3 Years
Environmental Requirement	Operating Temperature: 0° to 40°C
Relative Humidity	10% to 90%, non-condensing
Certifications	RoHS Compliant WEEE Compliant
Safety	UL/cUL, LVD, Gost-R, Mexico CoC, UL-AR
Emissions	FCC Part 15 Class A, ICES-003, VCCI Class A, KCC, CCC, C-tick, BSMI, ANATEL
Immunity	CE
MTBF	7301= 96,000 hrs

Physical Installation

The Polycom® VBP™ 7301 is designed for desktop, shelf, tray, or rack installation. Observe the following guidelines when installing the system:

- Always verify that the AC cord is disconnected from a power source prior to installation.
- Do not stack multiple units on top of each other as this can cause overheating.
- Ensure that the installation site has adequate air circulation and meets the minimum operating conditions for the system as specified in [Compliance and Certifications](#).

Polycom VBP 7301 Shipping Contents

The Polycom VBP 7301 is shipped with the following components:

- Polycom VBP 7301 appliance
- Rack mount kit
- AC Power Cord
- RJ-45 to DB-9 serial craft console port cable

Desktop, Shelf, or Tray Installation

1. Remove the Polycom VBP 7301 and accessories from the shipping container.
2. Place the Polycom VBP 7301 on a flat, dry surface such as a desktop, shelf, or tray.

Rack-Mount Installation

You can install the Polycom VBP 7301 in a 19" rack using the rack mount kit supplied with the product.



Important

Before installing the device in a rack, take note of the following conditions:

Elevated Operating Ambient—If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature specified by the manufacturer.

Reduced Air Flow—Installation of the equipment in a rack should be such that the amount of airflow required for safe operation of the equipment is not compromised.

Mechanical Loading—Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

Circuit Overloading—Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

Reliable Earthing—Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (for example, use of power strips).

Install the Polycom VBP 7301 in a Rack

1. Attach the rack mount ears to both sides of the Polycom VBP 7301 chassis with the supplied screws.
2. Install the chassis in the rack with rack mount screws (not included).

Connecting the Power and Cables

The Polycom VBP 7301 comes with an AC power cord for connecting the unit to the AC outlet.



Warning

Always connect the AC power cord to an AC outlet suitable for the power supply per the Power specifications listed in this document in order to reduce the risk of damage to the 7301 power supply.

1. Connect one end of the AC power cord to the 7301 input power socket and the other end to the AC outlet. You may need to apply a bit of force to properly position the plug in the power socket.



Caution

Secure the AC power cord to a cable management system using a fastener or tie wrap to insure the 7301 does not hang from the AC outlet.

2. If connecting to an Internet router, Internet DMZ switch, cable modem or DSL modem, connect the Ethernet cable to the WAN Interface port (Port 2) on the 7301 and the other end to the WAN device.

Connecting to the Polycom VBP 7301 for the First Time

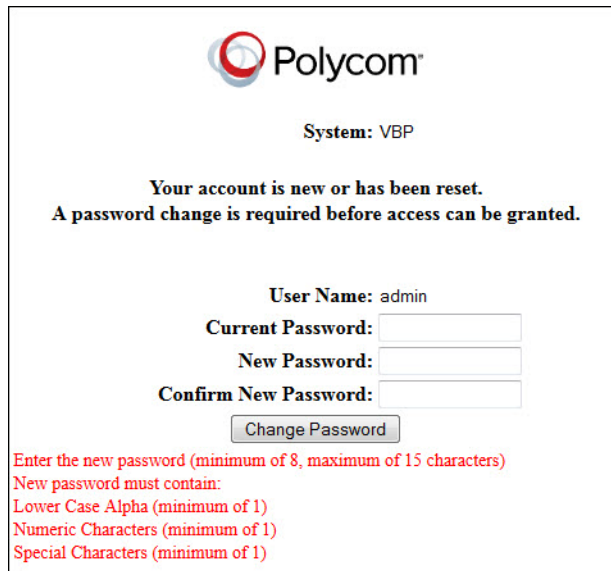
The Polycom VBP 7301 is pre-configured with the IP address 192.168.1.1 on the LAN interface port (Port 1).

1. Connect the 3-pin female power cord plug to the power socket on the VBP 7301. Connect the other end to an AC wall outlet.
2. Turn on the 7301 power switch.
3. Make sure that the power and status LEDs on the front panel are solid green after the 7301 powers on.
4. Connect a computer to the LAN interface port (Port 1) using an Ethernet cable or connect to an Ethernet switch (using the IP address 192.168.1.2 and subnet mask 255.255.255.0).
5. Launch a web browser on the computer and enter the URL string `http://192.168.1.1`.
6. Press Return. The Polycom VBP 7301 VoIP Operating System (VOS) log in window opens:



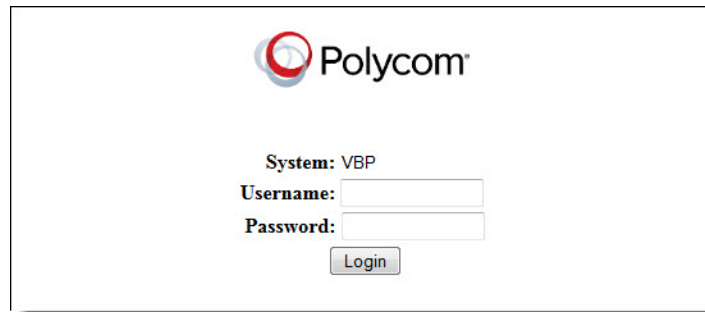
The image shows the Polycom login interface. At the top center is the Polycom logo. Below it, the text "System: VBP" is displayed. There are two input fields: "Username: admin" and "Password: ●●●●●●". A "Login" button is positioned below the password field.

7. Enter the following credentials:
Username: **admin**
Password: **default**
8. Click **Login**. The password change window opens.



The image shows the Polycom password change interface. At the top center is the Polycom logo. Below it, the text "System: VBP" is displayed. A message reads: "Your account is new or has been reset. A password change is required before access can be granted." Below this message, the text "User Name: admin" is shown. There are three input fields: "Current Password:", "New Password:", and "Confirm New Password:". A "Change Password" button is located below the input fields. At the bottom, red text provides password requirements: "Enter the new password (minimum of 8, maximum of 15 characters)", "New password must contain:", "Lower Case Alpha (minimum of 1)", "Numeric Characters (minimum of 1)", and "Special Characters (minimum of 1)".

9. Enter credentials that meet the guidelines listed in red and click **Change Password**.
10. When prompted, click the link to log on with your new password.



11. Enter your new password and click **Login**. The Polycom VBP 7301 Admin page opens.
12. Configure Network parameters and other settings for your Polycom VBP 7301 using the instructions in the *Polycom® Video Border Proxy (VBP™) Administrator Guide*.

Compliance and Certifications



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.

USA and Canadian Notices

FCC Notice

Class A Digital Device or Peripheral

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.

In accordance with Part 15 of the FCC rules, the user is cautioned that any changes or modifications not expressly approved by Polycom, Inc. could void the user's authority to operate this equipment.

The socket outlet to which this apparatus is connected must be installed near the equipment and must always be readily accessible.

Part 15 FCC Rules

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.

Industry Canada (IC)

This Class [A] digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la Classe [A] est conforme à la norme NMB-003 du Canada.

The Industry Canada label identifies certified equipment. This certification means that the equipment meets telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations. Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.



Caution

Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

The Ringer Equivalence Number (REN) assigned to each relevant terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the RENs of all the devices does not exceed 5.

The REN of this equipment is either marked on the unit or included in the new style USA FCC registration number. In the case that the REN is included in the FCC number, the user should use the following key to determine the value:

The FCC number is formatted as US:AAAEQ#TXXX.

is the Ringer Equivalence Number without a decimal point (e.g. REN of 1.0 will be shown as 10, REN of 0.3 will be shown as 03). In the case of a Z ringer, ZZ shall appear. In the case of approved equipment without a network interface or equipment not to be connected to circuits with analog ringing supplied, NA shall appear.

The REN is useful to determine the quantity of devices that may be connected to the telephone line. Excessive RENs on the telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of RENs of all devices that may be connected to a line, is determined by the total RENs, contact the local telephone company.

Class A Statements

Japan

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。 VCCI-A

Korea

Class A ITE

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

China

声明

此为 A 级产品，在生活环境中，该产品可能会造成无线电干扰。在这种情况下，可能需要用户对其干扰采取切实可行的措施。

EEA Regulatory Notices

CE Mark R & TTE Directive

This Polycom VBP 7301 system has been marked with the CE mark. This mark indicates compliance with EEC Directives 89/336/EEC, 73/23/EEC 1999/5/EC.

Declaration of Conformity

English:	Hereby, Polycom, declares that this Polycom VBP 7301 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Česky [Czech]:	Polycom tímto prohlašuje, že tento Polycom VBP 7301 je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Dansk [Danish]:	Undertegnede Polycom erklærer herved, at følgende udstyr Polycom VBP 7301 overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Deutsch [German]:	Hiermit erklärt Polycom, dass sich das Gerät Polycom VBP 7301 in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
Eesti [Estonian]:	Käesolevaga kinnitab Polycom seadme Polycom VBP 7301 vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktivist tulenevatele teistele asjakohastele sätetele.
Español [Spanish]:	Por medio de la presente Polycom declara que el Polycom VBP 7301 cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
Ελληνική [Greek]:	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Polycom ΔΗΛΩΝΕΙ ΟΤΙ Polycom VBP 7301 ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/EK.
Français [French]:	Par la présente Polycom déclare que l'appareil Polycom VBP 7301 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Italiano [Italian]:	Con la presente Polycom dichiara che questo Polycom VBP 7301 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Latviski [Latvian]:	Ar šo Polycom deklarē, ka Polycom VBP 7301 atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lietuvių [Lithuanian]:	Šiuo Polycom deklaruoja, kad šis Polycom VBP 7301 atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Nederlands [Dutch]:	Hierbij verklaart Polycom dat het toestel Polycom VBP 7301 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Malti [Maltese]:	Hawnhekk, Polycom, jiddikjara li dan Polycom VBP 7301 jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn rilevanti li hemm fid-Dirrettiva 1999/5/EC.

Magyar [Hungarian]:	Alulírott, Polycom nyilatkozom, hogy a Polycom VBP 7301 megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
Polski [Polish]:	Niniejszym Polycom oświadcza, że Polycom VBP 7301 jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC
Português [Portuguese]:	Polycom/ declara que este Polycom VBP 7301 está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Slovensko [Slovenian]:	Polycom izjavlja, da je ta Polycom VBP 7301 v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Slovensky [Slovak]:	Polycom týmto vyhlasuje, že Polycom VBP 7301 spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Suomi [Finnish]:	Polycom vakuuttaa täten että Polycom VBP 7301 tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Svenska [Swedish]:	Härmed intygar Polycom att denna Polycom VBP 7301 står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Íslenska (Icelandic):	Hér með lýsir Polycom yfir því að Polycom VBP 7301 er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC
Norsk [Norwegian]:	Polycom erklærer herved at utstyret Polycom VBP 7301 er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF

Restriction of Hazardous Substances Directive (RoHS)

Polycom products are RoHS compliant, which means we have eliminated or brought to within acceptable limits: Lead, Mercury, Cadmium, Hexavalent Chromium, Polybrominated Biphenyls, and Polybrominated Diphenylethers. For more information please contact Polycom customer support.

End of Life Products

Polycom encourages you to recycle your end-of-life Polycom products in an environmentally considerate way. In accordance with the requirements of the European Waste Electronic and Electrical Equipment (WEEE) Directive, all Polycom products are marked as recyclable and should not be disposed of in the household or general waste stream.

Licensing and Warranty Information

Hardware Warranty

For a period of three (3) years after shipment of the Product, Polycom warrants that such Hardware will substantially conform to Polycom's published specifications for such Hardware on the date of order if properly used in accordance with procedures described in the documentation supplied by Polycom. End-user shall notify Polycom of any nonconformance during the warranty period, obtain a return authorization for the nonconforming Hardware from Polycom, and return the nonconforming Hardware to Polycom's designated repair facility, freight prepaid, with a statement describing the nonconformity. Polycom's exclusive obligations with respect to nonconforming Hardware shall be, at Polycom's option, to advance replace such Hardware, if it is determined to be defective, or to refund to End-user the purchase price paid for the Product. Advance replacement units are shipped same business day for next-day delivery (within the US) when hardware failure is determined by 1pm PST. Failed components must be returned to Polycom within 14 days or End-user will be charged for new product purchase.