

Polycom OBi300-UK Universal Voice Adapter



Product Name: Polycom OBi300-UK Universal Voice Adapter

Manufacturer: -

Model Number: 2200-49530-102

Please Note: This product has been discontinued. For an alternative, please see the other Poly Products.

Polycom OBi300-UK Universal Voice Adapter

The Polycom OBi300 expands your service portfolio by enhancing the communication possibilities of home offices with flexibility in voice and fax applications as they transition to the digital communications world. Home offices can maximize their current investment by keeping their analog phone or fax machine plus experience the new capabilities of up to four VoIP services. This dedicated device ensures your customer can clearly hear every important word or send and receive reliable facsimile calls over the Internet.

Provide your customers new capabilities with WiFi and BluetoothPolycom OBi300 is never tied to any inconvenient Ethernet port location. It can be placed anywhere within range of a 2.4 GHz or 5 GHz, 802.11ac wireless access point when used with the Polycom USB WiFi adapter. Similarly, the USB Bluetooth adapter pairs a user's mobile phone or Bluetooth audio headset so they can place and answer calls using their mobile service via analog phones.

Simplify deployment and on-going supportPolycom's OBiTALK device management portal will help you save time and hassle by configuring the device without laying a finger on it. This secure service lets you provision the device to meet your customer specifications or update them from anyplace with a connection to the Internet. Provide best in class support to your customers by quickly identifying issues and remotely troubleshooting devices.The Polycom OBiTALK portal is a reliable, secure, cloud-based, out-of-band management interface designed for massive scale zero-touch device bootstrapping, configuration customisation, and provisioning. Polycom OBiTALK also provides for in-service device management and troubleshooting, with functionality including device logging, packet capture, call QoS and statistics reporting.

Polycom OBi300 Features

- 1 FXS port
- OBiTALK portal
- Connect up to 1 analog phone or fax machine
- Supports optional WiFi accessory
- Easily configure devices

Polycom OBi300 Technical Specification Product Requirements

- Active Internet Connection
- Analog Touch Tone Phone
- Access to Internet Via a Switched Ethernet Port on Home or Office Router
- (Optional) Active Internet Phone Service Subscription with All Required SIP Credentials to Make and Receive Calls

Polycom OBi300 ships with

- OBi300 Voice Service Bridge and Telephone Adapter
- Power Adapter
- 1 x RJ-45 Ethernet Cable (80 inches/203 centimeters)
- Quick Start/Installation Guide

Warranty

Polycom OBi300-UK Universal Voice Adapter

1 year

Product Dimensions (L x W x H)

6.9 x 6.9 x 3.0 cm (2.7 x 2.7 x 1.2 in)

Unit Weight

198 grams/7 ounces

Shipping weight: 340 grams/12 ounces (Including Power Supply, Ethernet Cable and Packaging)

Interface Features

Internet (WAN): 1 x 10/100BaseT Ethernet Port (802.3)

Phone (FXS): 1 x RJ-11 FXS Analog Phone Port

USB: USB 2.0

Reset Button: Located on Bottom of Case

LEDs: Power/Status, Ethernet Activity (WAN), Phone

LED indications: Power On, Status, upgrade in Progress Status, Packet RX/ TX, Phone Port Status

Telephony Features

Call Routing Rules

Automated Attendant with Configurable Answer Delay

PIN Access Control to AA (Up to 4 PINs)

Recursive Digit Map for Call Routing (AA, Phone, Voice Gateways, Trunk Groups)

AA Configurable Outbound Call Routing Rules

SIP Service Configurable Inbound Call Routing Rules

Fax Pass Through (G.711)

T.38 Fax Relay for Fax over IP

Modem Pass Through (G.711)

In-Band DTMF (G.711)

Out of Voice Band DTMF (RFC 2833)

Out of Voice Band DTMF (SIP INFO Method)

Call Progress Tone Generation

Tone Profile per SIP SP and OBiTALK Service

Ring Profile per SIP SP and OBiTALK Service

Star Code Profile per SIP SP and OBiTALK Service

Full Duplex Audio

G.165, 168 Echo Cancellation

VAD—Voice Activity Detection

Silence Suppression

Comfort Noise Generation

Three Way Conference Calling with Local Mixing

Hook Flash Event Signaling

Flash Hook Timer

Caller ID—Name and Number per Bellcore, ETSI, DTMF, and NTT

MWI—Message Waiting Indicator

Visual Message Waiting Indication (VMWI)

Daylight Savings Time Support—Worldwide

Caller ID Enable/Disable

Caller ID Number

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- Caller ID Name (Alphanumeric)
- Caller ID Spoofing
- Call Waiting
- Maximum Session Control
- Call Forward—Unconditional
- Call Forward on Busy
- Call Forward on No Answer (Ring Count Configurable)
- Call Transfer Enable/Disable
- Anonymous Call Block
- Anonymous Call
- Do Not Disturb
- Call Return
- Repeat Dialing

Data Networking

- MAC Address (IEEE 802.3)
- UDP (RFC 768) in SSL/TLS
- TCP (RFC 793) in SSL/TLS
- IP version 4, IPv4 (RFC 791)—Static IP and DHCP Support
- ICMP (RFC 792)
- ARP—Address Resolution Protocol
- Domain Name System (DNS) A Records (RFC 1706) and SRV Records (RFC 2782) RTP (RFC 1889, 1890), RFC 5966
- RTP/RTCP (RFC 1889), DHCP Client (RFC 2131)
- DiffServ (RFC 2475)—Independently Configured: Service, SIP and Media
- ToS (RFC 791, 1349)—Independently Configured: Service, SIP and Media
- VLAN Tagging (802.1p—Independently Configured: Service, SIP and Media
- SNTP (RFC 2030)—Primary and Secondary NTP Servers
- LLDP-MED

Security

- Local Access Interface: IVR Password
- Remote Access Interface: User Name and Password Access via HTTP, TFTP—HTTPS
- Device Web Page Standard: HTTP v1.1, XML v1.0
- Secure Remote Provisioning: HTTP, HTTPS

VoIP features

- Four (4) Service Provider Configuration Profile Assignments (ITSP 1—4)
- Four (4) Service /Trunk Subscription Profile Assignments (SP 1—4)
- SIPv2 (RFC 3261, 3262, 3263, 3264)
- SIP over UDP
- SIP over TCP
- SIP over TLS
- 4 SIP Service Provider Service Sessions—Concurrent Operation
- 1 OBiTALK Service Session
- SIP Proxy Redundancy—Local or DNS Based SVR, Primary and Secondary Fallback List Restrict Source IP Address
- Maximum Number of Sessions—Independent per Service
- 4 Trunk Groups
- Voice Gateway—Direct Dialing
- G.711 A-Law (64 kbps)

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- G.711 µ-Law (64 kbps)
- G.726 (32 kbps) G.729a (8 kbps) iLBC (13.3, 15.2 kbps) Codec Pre-selection Code
- Voice Processing per SIP Service—TX/ RX Audio Gain, Echo Cancellation
- Adjustable Audio Frames per Packet
- Codec Name Assignment
- Codec Profile per SIP SP and OBiTALK Service
- Dynamic Audio Payload
- Packet Loss Concealment
- Jitter Buffer (Adaptive)
- STUN
- ICE
- SUBSCRIBE/NOTIFY Framework (RFC 3265)
- NOTIFY Dialog, Line Status
- SUBSCRIBE Message Summary
- VoIP NAT Interworking
- DATE Header Support
- Remote-Party-ID (RPID)
- P-Asserted-Identity (PAID)
- RTP Statistics in BYE Message and SIP PUBLISH with MOS Score

Power

- Universal Switching with Fixed US, EU, UK Style Plug Prongs (Model Dependent)
- AC Input: 100 to 240 Volts 0.3A 50–60Hz (26–34 VA)
- DC Input: +12V 1.0 Amp Max

Certifications

- FCC Part 15 Class B
- A-Tick
- CE
- ICES-003
- RoHS
- WEEE
- UL/cUL—Power Adapter

Environmental Conditions

- Operating temperature: 0º to 45º C (32º to 113º F)
- Relative humidity: 10% to 90% Noncondensing
- Storage temperature: –25º to 85º C (–13º to 185º F)

Management–Configuration

- Local Access Interface: IVR, Web Page– Password Protected (Admin and User Level Log-in)
- Remote Access Interface: Syslog (MultiLevel Granularity), Invokable via SIP Notify, Web, Provisioning
- Device Web Page Standard: HTTP v1.1, XML v1.0
- Remote Provisioning: XML via TFTP or HTTP, (TR069/TR104 Parameter Naming Syntax)
- Secure Remote Provisioning: HTTPS, Encrypted XML via HTTP or TFTP– Dedicated User Name and Password
- Secure Remote Firmware Update: Encrypted Binary File via TFTP or HTTP + Dedicated User Name and Password
- Customisation: OBi-ZT: Obihai ZeroTouch Automatic Customisation and Configuration

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• Call History (CDRs): Call Detail Records on OBi Web Page, Export to XML
• LED Indications: Power, Device Status, Upgrade Progress Status, Ethernet Activity, PHONE Status
• Session Information: SIP Session Status, OBiTALK Status, Phone Port Status
• Primary SIP Service Set-Up Wizard: Dedicated Device Web Page for Quick ITSP Account Set-Up
• System Settings Back-Up/Restore: Save and Restore Configuration via XML file to/from a Local Folder

RTP Statistics

• RTP Transport Type
• Audio Codec Type (Tx/Rx)
• RTP Packetization—in multiples of 10ms (Tx/Rx)
• RTP Packet Count (Tx/Rx)
• RTP Byte Count (Tx/Rx)
• Packets Out-Of-Order
• Packets Interpolated
• Packets Late (Dropped)
• Packets Lost
• Packet Loss Rate %
• Packet Drop Rate %
• Jitter Buffer Length—ms
• Received Interarrival Jitter—ms
• Jitter Buffer Underruns
• Jitter Buffer Overruns

Call Progress

• Configurable Call Progress Tone
• Call Progress Tone Profiles (2)
• Dial Tone
• Busy Tone
• Ringback Tone
• Reorder Tone
• Confirmation Tone
• Holding Tone
• Second Dial Tone
• Stutter Tone
• Howling Tone
• Prompt Tone
• Call Forwarded Tone
• Conference Tone
• SIT Tones (1—4)
• Ringing and Call Waiting Tone Configuration
• Ring Patterns (10)—Configurable
• Call Waiting Tone Patterns (10)—configurable
• Call Waiting Tone Pattern Profiles (2)

Star Code Configuration

• Configurable Star Codes
• Star Code Profiles (2)
• Redial
• Call Return

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☐ Activate Block Caller ID
☐ Deactivate Block Caller ID
☐ Block Caller ID Once
☐ Unblock Caller ID Once
☐ Activate Call Forwarding (All Calls)
☐ Deactivate Call Forwarding (All Calls)
☐ Activate Call Forward on Busy
☐ Deactivate Call Forward on Busy
☐ Activate Call Forward on No Answer
☐ Deactivate Call Forward on No Answer
☐ Activate Block Anonymous Calls
☐ Deactivate Block Anonymous Calls
☐ Activate Call Waiting
☐ Deactivate Call Waiting
☐ Activate Do Not Disturb
☐ Deactivate Do Not Disturb
☐ Activate Repeat Dial
☐ Deactivate Repeat Dial

FXS SLIC (Subscriber Line Integrated Circuit): Phone Port

☐ Ringer Specifications: Ring Frequency: 14Hz–68Hz, Ring Waveform: Trapezoidal, Sinusoidal, Ring Voltage: 55v–85v
☐ Maximum Ring Load: 5 REN (Ringer Equivalence Number) per Phone Port

FXS (PHONE Port) Configuration Settings

☐ Recursive Digit Map and Associated Outbound Call Routing
☐ On-Hook Tip Ring Voltage: 30v–52v
☐ Off-Hook Current Max: 15mA–45mA
☐ Impedance: 12 Independent Settings
☐ DTMF Playback Level: –90 dBm–3 dBm
☐ Caller ID Method: Bellcore, ETSI (FSK or DTMF)
☐ Caller ID Trigger (Before/After First Ring, Polarity Reversal)
☐ Channel Tx Gain: –12dB to 6 dB at 1 dB Resolution
☐ Channel Rx Gain: 12dB to 6 dB at 1 dB Resolution
☐ Silence Detect Sensitivity
☐ Hook Flash Time Max
☐ Hook Flash Time Min
☐ CPC Delay Time
☐ CPC Duration
☐ Idle Polarity
☐ Connect Polarity

Please Enquire