

Developed, Designed and Supported by Obihai Technology

The OBi1000 Series IP phone electronics and acoustics are designed, developed and supported in-house, by Obihai engineers in California. This includes the SIP software stack used on devices to ensure a reliable experience with all major voice platforms and service provider deployments. The OBi1000 Series IP phones are built with a high-performance system-on-a-chip platform to ensure high quality voice conversations. OBi1000 Series IP phones support high-availability and reliability with in-service, unobtrusive management and software upgrade support.



Model: **OBi1062 Professional**
24 Line IP Phone



Model: **OBi1032 Manager**
12 Line IP Phone



Model: **OBi1022 Leader**
10 Line IP Phone



OBi1062 with Side Car



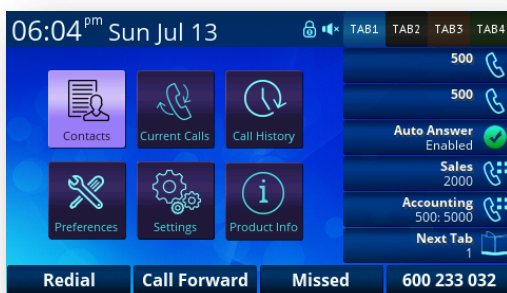
OBi1032 with Side Car



Rear view of the OBi1022



Rear view of the OBi1062 / OBi1032



OBi1062 Main Display – Tomáš / Ulrik Themes

Comprehensive Support for Major IP Voice Platforms and Services – SIP and VoLTE

In addition to support for most industry-standard SIP-based voice services, the OBi IP Phone adds support for Google Voice™ as well as device-to-device calling using the OBiTALK voice protocol – all configured and managed by the network/service administrator/owner. The OBi 1000 Series IP phones also work with major VoIP softswitch platforms such as Asterisk, BroadSoft, Metaswitch, FreeSwitch and Kamailio.

The OBi1000 Series IP Phones Are Complemented by Other OBi Products & Services

OBiTALK: A web portal for secure, cloud management and service configuration of Obihai devices.

OBiON iPhone, iPad, iPod touch & Android Devices: An application for iPhone, iPad, iPod touch and Android devices which makes possible placing and receiving calls to/from other OBi endpoints.

OBi Universal VoIP Adapters: With models ranging from a single phone port to eight, OBi Universal Adapters are supplying VoIP connectivity at homes and businesses worldwide, in over 180 countries.

More Calling Features of the OBi1000 Series IP Phones:

Configurable to Work with Many Popular Call Control Platforms or Any SIP Compliant Internet Telephone Service

Automatic Attendant for Simplified Call Routing (AA)

Call Back Service – Automatic Call Back to Connect User to the AA to Make a New Call or Ring the Attached Phone

OBiTALK Web Portal Integration – Management, Troubleshooting, Configuration, Status

Robust Telephony Features:

- Multi-Line / Multiple Calls
- Shared Call / Bridged Line Appearance
- Busy Lamp Field (BLF) – Regular, Pick-up and Speed Dial
- On-Hook Dialing
- Caller ID – Name & Number, Photo
- Call Waiting, Call Queued
- Multiple Distinctive Ringtones Based on Who is Calling
- Auto Answer Intercom Call, Page Call
- Page Groups (2)
- Call Hold
- Music on Hold
- Call Swap
- Call Park and Call Un-park
- Call Pick-Up – Selective and Group
- Message Waiting Indication - Visual and Tone Based
- Speed Dialing by code of 99 OBi Endpoints, Buddies or Numbers (E.164 or URI)
- Call Logs (200) – Dialing from Call Logs
- Personal Phone Book – Each Entry with Multiple Numbers, Photo, Grouping
- Hot Line and Warm Line Calling
- Five-Way Conference Calling with Local Mixing
- Call Forward - Unconditional
- Call Forward on Busy
- Call Forward on No Answer
- Call Transfer -- Blind or Attended
- Anonymous Call
- Block Anonymous Call
- Do Not Disturb – Do Not Ring
- Call Return – Call Back on Busy
- Repeat Dialing
- Immediate divert
- Multiple Ringtones – Upload Custom Ringtones
- Screen Saver – Upload Screen Saver with Slideshow Image(s)
- Secure Encrypted Voice Communication Support
- Independent Mic and Speaker Volume Adjustment: Speaker, Handset, RJ9 Headset, 3.5mm Headset, Bluetooth Headset
- Administrator Password Protected Factory Reset
- Zero-Touch Customization – Factory Defaults Defined by Service Provider
- OBiTALK Cloud Management / Troubleshooting
- Syslog Event Logging

General Information

Brand	Obihai Browse Obihai Devices
Manufacturer	Obihai
Hardware Designer	Obihai Technology, Inc.
OBi1000 Series Model Names	OBi1062, OBi1032, OBi1022
Release Date	July 2014

Visual / Audio / Mechanical Features

Color Display	TFT RGB - 16.7M Colors - 480 x 272 Pixels - 4.3" Diagonal (OBi1032/OBi1062) TFT RGB - 16.7M Colors - 320 x 240 Pixels - 3.5" Diagonal (OBi1022)
Compact Foot Print	31 Programmable Keys (OBi1062) in a 21 cm ² (8 in ²) Area (19 for OBi1032)
Handset	Comfortable Weighted Handset with Acoustic Electronics for High Definition
Headset Interfaces	RJ9, 3.5mm, Bluetooth (Bluetooth Built-In on OBi1062) – w/ Auto Detection (RJ9 and Bluetooth not available on OBi1022)
Electronic Hook Switch	Yes – Kit Sold Separately (Not available on OBi1022)
Side Car Expansion Module	Up to Two (2) Side Car Expansion Modules – 16 Programmable Keys (Not available on OBi1022)
Speakerphone	3 Watt with Class D Amplifier
Line / Call Appearance Keys	6 – OBi1062 3 – OBi1032 5 – OBi1022 (Programmable)
Feature Keys	8 – OBi1032/OBi1062 1 – OBi1022 (Programmable)
Illuminated Keys	Line, Feature, Mute, Speaker, Headphone
Non-Illuminated Keys	Keypad, Home, Cancel/Return, 4-Context Sensitive Soft Keys, 5-Way Navigation (OBi1062/OBi1032), 3-Way Navigation (OBi1022)
Volume Adjustment Up/Down Key	Independent Adjustment for Ringer, Headset, Speaker, Handset
Kensington Lock Port	Fits to Standard Locking Apparatus to Secure Device Location
Multi-Position Stand	Removable Stand Accommodates Two (2) Angles for Desktop Mounting (OBi1062/OBi1032), or Fixed Angle Desktop Mounting (OBi1022)
Wall Mounting	Yes – Kit Sold Separately
Wired Network Connectivity	2 x Ethernet – Gigabit Ethernet on OBi1062 Fast Ethernet on OBi1032/OBi1022
Wireless Network Connectivity	802.11n – Built-in on OBi1062 May Use OBiWiFi USB Module on OBi1032/OBi1022

Management – Configuration

Local Access Interface	IVR, Web Page – Password Protected (Admin & User Level Log-in)
Remote Access Interface (Secure)	OBiTALK Cloud-Management via Portal and/or APIs, Syslog (Multi-Level Granularity), Invokable via SIP Notify, Web, Provisioning
Device Web Page Standard	HTTP v1.1, XML v1.0
Remote Provisioning	OBiTALK Cloud, XML via TFTP or HTTP, TR069 / TR104 (Parameter Name Syntax)
Secure Remote Provisioning	OBiTALK Cloud, SSL via HTTPS, Encrypted XML via HTTP or TFTP – Dedicated User Name & Password
Secure Remote Firmware Update	Encrypted Binary File via TFTP or HTTP + Dedicated User Name & Password
Customization	OBi-ZT: Obihai Zero-Touch Automatic Customization & Configuration **
Call History (CDRs)	Call Detail Records on OBi Web Page, Export to XML
LED Indications	Configurable for Message Waiting, Line/Call Key Status, Feature Key Status
RTP Statistics	RTP Transport Type Audio Codec Type (Tx/Rx) RTP Packetization - ms (Tx/Rx) RTP Packet Count (Tx/Rx) RTP Byte Count (Tx/Rx) Peer Clock Differential Rate - PPM Packets In Jitter Buffer 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 DTMF Digits Received Jitter Buffer Underruns Jitter Buffer Overruns Sequence Number Discontinuities Skew Compensation - ms
Session Information	SIP Session Status

	OBIiTALK Status Service Status
System Settings Back-Up / Restore	Save & Restore Configuration via XML file to / from a Local Folder
OBIiTALK Portal Set-Up Wizard	Secure, Easy Configuration Via Cloud

Security

Local Access Interface	IVR Password - Password Protected Login to Local Web UI
Remote Access Interface	User Name & Password Access via HTTP, TFTP – HTTPS
Device Web Page Standard	HTTP v1.1, XMLv1.0 – User and Admin Level Access
Secure Remote Provisioning	TFTP, HTTP, HTTPS (Encrypted XML or Flat File)
Signaling Authentication / Encryption	TLS
Media Authentication / Encryption	SRTP
HTTPS for Client and Server	Yes
Configuration File Security	Authentication and Encryption and URL Syntax with Password
Client SSL Certificate	Manufacturer-Installed Certificates (MIC)
Authentication	IEEE 802.1X, EAPOL ∞

Network – Application Details

Data Networking	<p>MAC Address (IEEE 802.3) WiFi Support (IEEE 802.11n) – OBi1062 UDP (RFC 768) TCP (RFC 793) SDP (RFC 4566) HTTP/HTTPS IP version 4 (RFC 791) – Static IP and DHCP Support (Upgradeable to IPv6) ICMP (RFC 792) SNTP (RFC 4330) ARP - Address Resolution Protocol Domain Name System (DNS) A Records (RFC 1706) & SRV Records (RFC 2782) RTP (RFC 1889, 1890) RTCP (RFC 1889) DHCP Client (RFC 2131) PPPoE (Point-to-Point Protocol over Ethernet) client (RFC 2516) MAC Address Cloning Local DNS Records (24) DNS Query Control VLAN Support (IEEE 802.1Q/p) LLDP (LLDP-MED) Ethernet Switch Speed Auto-Negotiation</p>
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VoIP	<p>24* (12 - OBi1032, 10 – OBi1022) Service Line Configuration Profile Assignments (Line 1-24) Six Service Subscription Profile Assignments (ITSP 1-6) on OBi1062/OBi1032, Five on OBi1022 SIPv2 (RFC 3261, 3262, 3263, 3264) SIP over UDP SIP over TCP SIP over TCP with TLS Up to 24 SIP Service Provider Service Sessions – Concurrent Operation 1 OBIiTALK Service Session SIP Proxy Redundancy – Local, DNS Based SVR, Primary & Secondary Fallback List Restrict Source IP Address Maximum Number of Sessions – Independent per Service Trunk Groups (4) Voice Gateway – Direct Dialing (8) Voice Codec Support: G.722 G.711 A-Law (64 kbps) G.711 μ-Law (64 kbps) G.726 (40, 32, 24, 16 kbps) G.729a (8 kbps) iLBC (13.3, 15.2 kbps) OPUS 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 (2) & OBIiTALK Service Dynamic Audio Payload Packet Loss Concealment Jitter Buffer (Adaptive) STUN ICE</p>
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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
Media Loopback Support
Remote Restart via Notify

Telephony

Configurable Contact List (Inbound Call Routing)
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 Rule
SIP Service Configurable Inbound Call Routing Rule (2)
Direct / Single-Stage Dialing (Route to Voice Gateway)
In-Band DTMF (G.711)
Out of Voice Band DTMF (RFC 2833)
Out of Voice Band DTMF (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
Five Way Conference Calling with Local Mixing
Caller ID – Name & Number and Photo
MWI – Message Waiting Indicator
Visual Message Waiting Indication (VMWI)
Daylight Savings Time Support – North & South Hemispheres
Caller ID Enable /Disable
Caller ID Number
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
Barge
Call Forward Notification
Advice of Charge
Call Center Agent Logon / Logoff / Available / Unavailable from Phone
Corporate directory
Extension mobility
Forced Access Codes / Client Matter Codes
Immediate divert
Meet-me Conference
Personal Directory
Dialing Before Sending
Ring Tone per Service
Recording
Uniform Resource Locator (URI) dialing
Voice mail

Call Progress Tones

Configurable Call Progress Tone
Call Progress Tone Profiles (2)
Paging Tone
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
 R-Command Tone
 SIT Tones (1-4)
 Ringing & 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 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 Use G.711 Only on the Next Outbound Call Use G.711 Only on the Next Outbound Call Called OBi will Loopback Media Called OBi Will Loopback RTP Packets
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User Preferences

Display Skin / Theme	Three Choices + Custom
Background Picture	Choose or Upload
Font	Choose or Upload
Screen Saver	Enable / Disable
Screen Saver Delay	Seconds
Screen Saver Type	Slide Show, Turn Off Display
Slide Show Interval	In Seconds
Adjustable Display Brightness	Seven (7) Levels
Default Ringtone	Choose from Defaults or Upload Custom
Preferred Audio Device	Speaker, Headset
Preferred Headset Device	RJ9, 3.5mm, Bluetooth
Adjustable Ringer Volume	18 Levels - Including Off
Adjustable Volume Settings (Independent per Audio Interface)	16 Levels - Including Off for Speaker, Handset, Headset (RJ9, 3.5mm, BT)
Adjustable Gain Settings (Independent per Audio Interface)	0 - 7 dB for Speaker, Handset, Headset (RJ9, 3.5mm, BT)
Equalizer Enable	Enable / Disable
Acoustic Echo Cancelation	Off / On / Linear

Interfaces & Indicator Lights

USB2.0 Ports	2 – OBi1062/OBi1032 or 1 – OBi1022, For Use with OBi Accessories, Local Storage and Charging Mobile Phones
WAN-Internet / LAN – OBi1062	2 x 10/100/1000BaseT Gigabit Ethernet Port (802.3)
WAN-Internet / LAN – OBi1032/OBi1022	2 x 10/100BaseT Fast Ethernet Port (802.3)
Headset	RJ9 (OBi1062/OBi1032) and 3.5 mm w/ Backlit Indication Lamp on Headset Button
Handset	RJ9 – Located on Rear of Case
Illuminated Keys – Tri-Color	Up to 14 – 6 Line Appearance / Call Keys and 8 Programmable Feature Keys
Dedicated Keys with Back Light Illumination	3 – Mute, Speaker, Headset

Certifications

FCC Part 15	Yes – Class B
A-Tick	Yes

CE Mark	Yes
ICES-003	Yes – Class B
RoHS	Yes
WEEE	Yes
EN 60950-1	Yes
UL/ULc	Yes – On optional Power Adapter

Environmental

Operating Temperature	0° to 45° C (32° to 113° F)
Storage Temperature	-25° to 85° C (-13° to 185° F)
Operating Humidity	10% to 90% Non-condensing
Non-operating Humidity	10% to 90% Non-condensing

Physical Attributes

Dimensions:	21 cm x 21 cm x 17 cm / 8 in x 8 in x 6.5 in
Unit Weight:	1 kg / 2.2 lbs.
Shipping Weight	1.2 kg / 2.7 lbs. (Including Ethernet Cable and Packaging)
Body Material	ABS Textured Plastic (Class A)

Power over Ethernet (PoE)

Type	IEEE Power over Ethernet (PoE) 802.3af
Link Layer Discovery Protocol	Power over Ethernet (LLDP-PoE)
PoE Power Class	Class 2 – Energy Saving Low Power

Power Supply – Optional – Not Included with Some Models – Required if Phone will Be Operated Using WiFi

Type	Universal Switching with Region Dependent Plug
Input Power	AC Input: 100 to 240 Volts 1.5A 50-60Hz (26-34 VA)
Output Power	DC: +12V 1.0 Amp Max

Carton Specifications OBi1062 & OBi1032

Units Per Carton	5 Units
Carton Dimensions	46 cm x 27 cm x 39 cm – 18.1 in x 10.5 in x 15.4 in
Carton Weight	
OBi1062	8.1 Kilograms / 18 pounds
OBi1032	7.3 Kilograms / 16 pounds

Carton Specifications OBi1022

Units Per Carton	10 Units
Carton Dimensions	47 cm x 36 cm x 38 cm – 18.5 in x 14.2 in x 15.0 in
Carton Weight	12.0 Kilograms / 26.5 pounds

Miscellaneous

Requirements	Active Internet / IP Network Connection Access to Internet Via a Switched Ethernet Port or Router (Optional) Active Internet Phone Service Subscription with All Required SIP Credentials to Make & Receive Calls or IP PBX Extension Assignment
Documentation	Quick Start / Installation Guide User / Administrative Guide Implementation Guide for Service Providers **
Package Contents	OBi1000 Series IP Phone Phone Handset 1 x RJ9 Phone Handset Cable 1 x RJ45 Ethernet Cable (80 in / 203 cm) Quick Start / Installation Guide
Warranty	1-Year Hardware (Limited)
Engineering & Design Location	California, USA
HST Code	8517.62.00
Data Sheet State	All content subject to change. This data sheet is not a warranty.
Data Sheet Version	150501.1000.5

* OBi1062 Professional Model

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