

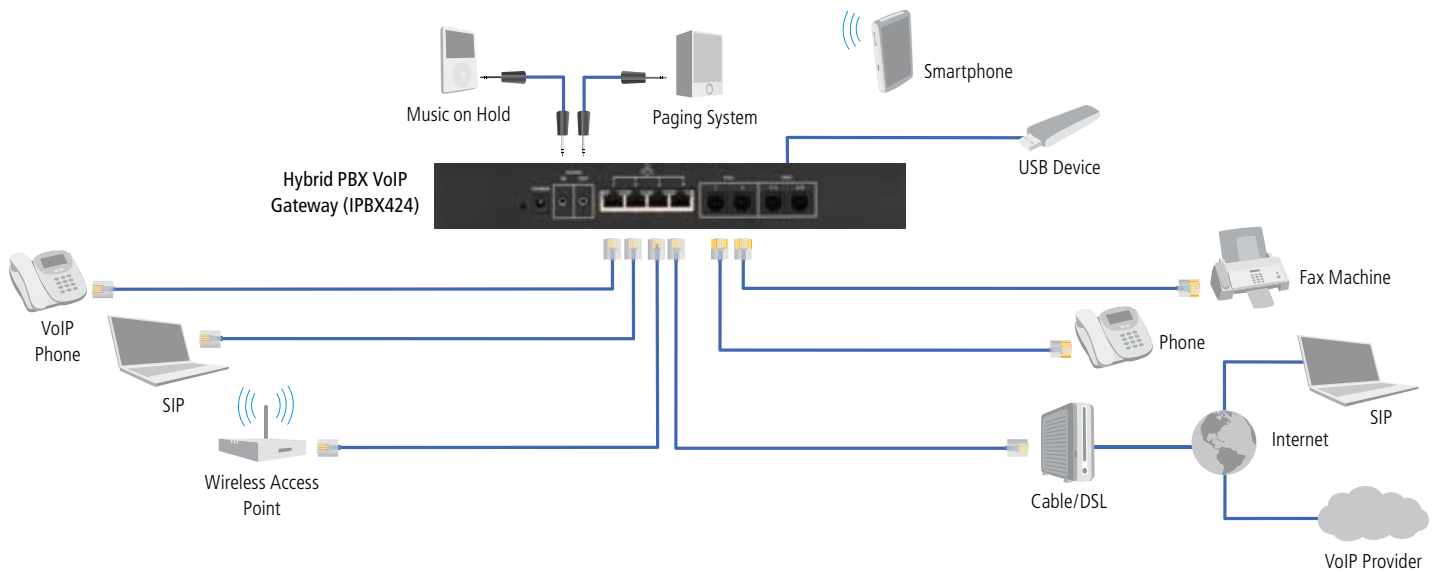
Hybrid PBX VoIP Gateways

Making VoIP migration simple and cost-effective for small and medium businesses.

- » Combine traditional telephony and VoIP into a single device.
- » Enable you to communicate through analog or SIP lines for lower-cost long-distance calling and unified communications.
- » Support customized greetings per user and include e-mail, fax, and voice mail notifications.
- » No user license fees.



Simple and affordable communications for SMBs.



Overview:

These powerful gateways integrate traditional telephone and VoIP for more cost-effective voice communications, routing calls accordingly to desk, home, or cellular phones. They enable you to save on charges for long-distance calling, voice mail, and other services right out of the box.

Fully functional PBX appliances, they feature dual FXS connections for phones or fax machines, 4 or 12 FXO connections for analog phone lines, and an integrated four-port 10-/100-Mbps Ethernet switch.

What's more, the gateways feature a high-performance CPU, hardware-based echo cancellation, and QoS.

Plus, the gateways offer easy setup through a Web-based configuration interface. They also seamlessly detect and install SIP phones so every user in your office can be making and receiving calls in no time at all.

What's more, users can connect through PBX with SIP phones even when working remotely.

Features:

- Unlimited VoIP phone numbers.
- Voice mail—they store and convert voice mail messages and send them to e-mail as a WAV or an MP3 file attachment.
- Full PBX feature set, including call hold, call transfer, caller ID, and call waiting, plus conferencing.
- Long-distance calling from mobile phones.
- Call pickup—answer any call, whether on hold or ringing, even if it's coming from another line.
- Customizable settings per user.
- VoIP failover—if your Internet connection is lost, calls can be made through the POTS line.
- Digital receptionist—dial-by-name directory and the ability to create personalized greetings for every VoIP number.
- Secure remote access capabilities.
- No user license fee.
- Secure integrated firewall.
- Interactive voice response (IVR) allowing unlimited options for customized greeting messages and call forwarding.

Hybrid PBX VoIP Gateways

Black Box now offers Hybrid PBX VoIP Gateways, which will change the way businesses communicate. These hybrid units provide PBX and telephony ports that create a seamless gateway to the cellular, traditional telephone, and VoIP worlds by combining them into a single integrated device.

An affordable, scalable solution for single point of contact communications needs, these hybrid gateways enable customers to communicate through VoIP or telephone lines, provide a centralized communications point and route calls accordingly to work, home, or cellular phones. The gateways also provide customized greetings per user, lower-cost long distance, and a true "one in-box" solution for e-mail, fax, and voicemail.

These powerful PBX VoIP gateways combine traditional telephone and VoIP for more cost-effective voice communications. They are fully functional PBX appliances with integrated:

- Hardware echo cancellation
- Four-port Ethernet 10-/100-Mbps switch
- Dual USB ports
- Compact Flash
- Dual connections for phones or fax machines (FXS)
- Four- or twelve-port connections for analog telephone lines (FXO)

For help setting up a problem-free VoIP system, talk to Black Box today or visit blackbox.com to learn more.

Key Features and Benefits:

Find Me

- Ability to set up call forwarding rules on a per-user basis that will help people stay in touch. For example:
 - From Monday to Friday, set the calls to forward to a mobile phone between 8:00 a.m. and 6:00 p.m.
 - If the central number is not answered after four rings, forward to a mobile phone.

Call Pickup

- Ability to answer any calls, whether on hold or ringing, even if the call is coming from another line. For example:
 - If the phone rings in a different department or in a different room in a house, just dial *99, and the call will be picked up.

Supervisor Control

- Ability to log, record, and transparently listen to phone calls.

Digital Receptionist

- Dial-by-name directory feature.
- Easily create custom greetings.

Analog and Digital Phone Lines

- Ability to transparently support standard phone lines and VoIP lines. Offers the advantage of having additional low-cost telephone lines without tying up the main line.

Low-Cost, Long-Distance VoIP Calls

- Unlimited VoIP phone numbers.
- Customizable greetings and features for multiple telephone lines.

PBX Features

- PBX features include: call hold, call transfer, call forward, caller ID, call waiting.
- Advanced features such as converting voicemail to e-mail, conferencing, and Find Me.

Low-Cost Calls from Around the World

- Purchase an International DID (phone number) from your VoIP service provider (very low monthly cost). Enables "termination" of the phone number into the PBX. Our system allows configuration of unlimited inbound accounts.

For example:

- Purchase a New York DID (area code 212) to deal with a contact in New York or a Dublin, Ireland DID (area code 01) to deal with a contact in Dublin. This will allow them to call you from New York or Dublin using a local number.

Voicemail to E-mail

- All users can have voicemail directly sent to e-mail as a WAV or MP3 file (audio attachment). Voicemails can then be retrieved from the in-box on a computer or mobile phone.
- Messages can be heard through an integrated media player rather than logging into the system.
- Enables a true "one in-box" solution for e-mails and voicemails.

Customized Settings per User

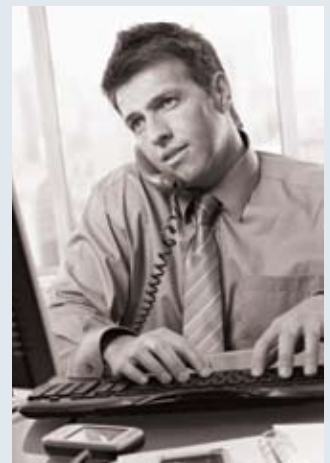
- All settings are configurable for each user. For example:
 - Customized extension numbers: 2201 or 2.
 - Customizable voicemail for each user.

VoIP Failover

- Calls can still be made through the regular phone line in case of Internet connection failure.

Long-Distance Calls from a Mobile Phone

- Ability to make long-distance calls from a mobile phone by calling the system, entering a password, and hanging up. The system will call back and prompt for a number to call. Enter the number on the mobile phone, and the system will call that number and join the calls together. This provides the advantage of making a long-distance call at the rate of an inbound local call.
- No user license fees.



Hybrid PBX VoIP Gateways

VoIP Overview.

The question isn't if you should move to a VoIP system, but when. Although VoIP systems have been commonplace in larger organizations, they are now becoming more affordable and practical for small- to medium-sized businesses (SMBs) to implement. VoIP systems benefit everyone from telecommuters to the managers and users of large call centers.

More and more companies are migrating from a traditional private branch exchange (PBX) telephony system to a voice-over-IP (VoIP) system. These converged networks take advantage of IP communications to better manage and transmit voice, data, images, video, e-mail, faxes, and more.

What is VoIP?

A cost-saving alternative to traditional telephony service, VoIP delivers voice calls over a data network that uses packet switching instead of circuit switching. An IP PBX system combines enterprise IP (using a corporate Intranet) and a Public Switched Network (PTSN).

VoIP options.

The best VoIP option for you depends on the size of your organization, the number of users, how many locations you have, etc. There are two basic types of offerings: hosted services or on-premises services, also called customer premise equipment (CPE) services.

VoIP offerings include:

Converged voice/data. The most basic VoIP systems use software and existing phone systems. As software-based systems, such as Skype®, continue to grow and mature, they are becoming more appealing to the SMB market.

Hosted IP PBX. In a hosted system, the service provider, rather than the end user, deploys a PBX system. The end user needs to purchase IP phones, but not a PBX.

Managed IP PBX. This is an on-site VoIP solution including the system, services, and support. It requires a greater capital expenditure, but it gives the user a flexible call routing platform, management of PBX functions, and centralized call routing.

Session Initiation Protocol (SIP) trunks. A much newer technology, SIP trunks enable converged IP applications within and outside the enterprise. SIP trunks offer significant savings, eliminating the need for local PSTN gateways. They also offer maximum control of multimedia communication sessions over an IP network.

VoIP Considerations.

VoIP depends on having a fast, reliable network to operate. A fast connection with guaranteed bandwidth is not a problem in a corporate intranet. But if you're using the Internet for VoIP, you're using a public network that may be subject to slowdowns. The quality of your connection may be unacceptable when Web usage is high.

For help setting up a problem-free VoIP system, talk to Black Box today.

Item	Code
Hybrid PBX VoIP Gateways with (4) FXO, (2) FXS, and (4) 10/100 with (12) FXO, (2) FXS, and (4) 10/100	IPBX424 IPBX1224

About Black Box

Black Box is a leading technology product solutions provider that helps customers build, manage, optimize, and secure their networks. The Black Box Quality Management System is ISO 9001:2008 certified and has received numerous industry recognitions. Black Box provides its customers with free, 24/7 pre-and post-sales technical support.

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