



Connect. Communicate. Collaborate.

3CX[®]
Phone System

▶ 3CX Phone System for Windows



Break Free with a Software-Based IP PBX for Windows

Break free from expensive proprietary phone systems and move up to an open standard IP PBX that increases productivity of employees and IT staff, while costing much less.

Evolve your communications by enabling employee mobility: Calls to and from your extension can be made and answered seamlessly from anywhere via your iPhone or Android smartphone, whilst voice mail and faxes can be received by email.

Connect your national or global offices and re-direct local customer service numbers via the internet to your phone system at negligible cost.

3CX Phone System for Windows is an award-winning IP PBX that completely replaces your proprietary PBX, supports standard SIP soft and hard phones from any vendor, VoIP service providers and VoIP gateways to connect traditional PSTN lines.

Add extensions or lines by adding standard SIP telephony equipment and save on consultants' fees because of 3CX's easy to use web-based administration.

Overcome the limitations of outdated hardware-based PBX systems, reduce costs significantly and add advanced communications features that will make your company more efficient and competitive!



► Unified Communications



Enhance Productivity with Unified Messaging and Presence

3CX Phone System for Windows delivers Unified Communications technology by unifying voice mail, fax and email as well as providing presence information.

With 3CX Phone System, employees can easily see the presence of other users and avoid making or transferring calls unnecessarily.

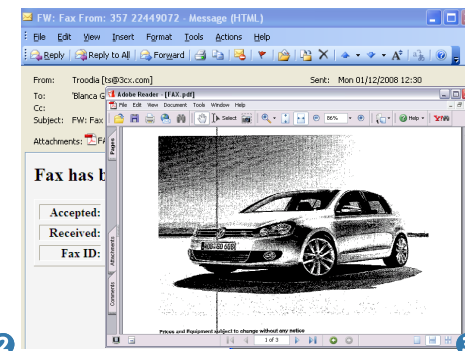
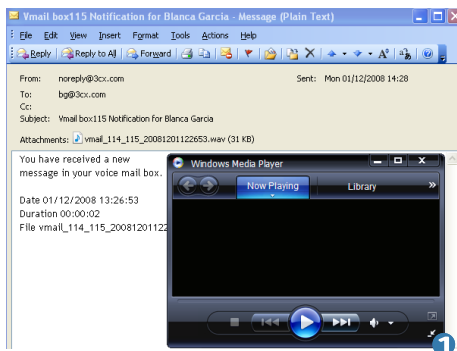
Presence is displayed in any standards-based IP phone, as well as in the 3CX MyPhone user portal.

Furthermore, 3CX unifies voice mail and faxes with email by delivering them to the user's inbox.

3CX provides full video capability - using 3CXPhone or a SIP video phone, video calls can be made with a click of a button.

3CX includes a fax server that is able to route incoming faxes as PDFs to email. Users can send faxes via traditional fax machines or by using a 3rd party T38 capable fax server software.

With 3CX, businesses save time and money as they can forget about fax machines and extra telephone lines.



1. **Presence** – eliminate expensive telephone tag
2. **Voice mail** – receive voice mail in your inbox
3. **Fax** – receive faxes as PDF files

► Freedom to the User



Boost Mobility and Allow Staff to Tele-Work

3CX gives total freedom to the user, by enhancing mobility and allowing staff to work remotely.

3CX Phone System includes a web-based user portal that gives extension users complete mobility and independence.

Users can configure extension preferences using a web browser without help from IT staff.

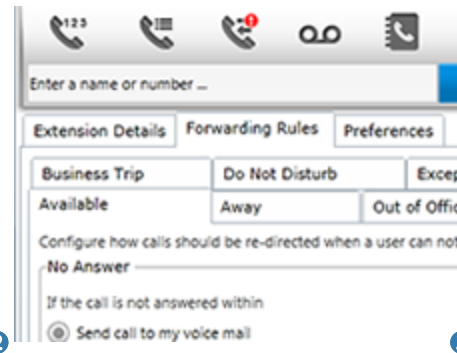
Call forwarding rules can be created based on time received, caller ID and type of call. For example, calls outside their own working hours can be routed to voice mail or a mobile phone.

This way, crucial calls are never missed, and there is no need to give out personal mobile numbers when out of the office.

3CX is the only IP PBX to include a free Windows VoIP phone, and free VoIP phone apps for iPhone and Android that can be used in or out of the office.

3CXPhone for Windows, iPhone and Android and traditional hardware phones can be used at the same time using the same credentials. For example, the hardware phone can be used when at the office, but when at home or on the road it is very easy to switch to the soft phone and remain connected to the company's phone system.

1. **User Portal** – Configure your own extension preferences easily and from anywhere
2. **3CXPhone** – Stay connected to the office wherever you are
3. **Advanced forwarding rules** – Set-up by caller ID, time and type of call



► Freedom to the Network Manager



Manage the Phone System via 3CX's Web-Based Console

With 3CX, network managers break free from the archaic user interfaces of conventional PBXs and from the traditional PBX vendor.

With the intuitive web-based console, administrators can easily create extensions and make PBX configuration changes without needing the PBX vendor.

Because 3CX Phone System is just another Windows server application, it is easy to manage too. It can be monitored just like any other Windows server application using your existing network monitoring package.

As 3CX Phone System is completely software-based, it provides many advantages over a traditional PBX or an IP PBX appliance.

It's easier to manage and control and you do not need to learn how to update and troubleshoot an obscure home-made Linux version.

A software-based phone system scales a lot better too — just add more phones and lines as you go along without being limited by the ports or processor on the appliance.

You can install 3CX Phone System on your existing server or virtualize it and eliminate extra hardware, energy and management costs.

You can easily backup your PBX and restore it on another machine in case of hardware failure - an impossible task when an appliance breaks down.

1. **Web-based console:** A browser window showing the 3CX management interface at <http://10.172.0.2:5000/management/MainForm>. The interface includes a navigation menu on the left with options like 'Ports/Trunks Status', 'Extension Status', and 'System Extensions Status'. The main area shows 'Ports/Trunks Status' with a table of registered extensions.

Status	Registered (idle)
●	Registered (idle)
●	Registered (idle)
●	Registered (idle)

2. **Hyper-V Manager:** A screenshot of the Hyper-V Manager console showing a list of virtual machines. The '3CX' VM is selected, and its context menu is open, showing options like 'Turn Off...', 'Shut Down...', 'Save', 'Pause', 'Reset', 'Snapshot', and 'Revert...'. A table below the menu shows the state of the VMs.

Name	State	CPU Usage	Uptime
3c0	Running	0%	06:34:23
3cx	Running	0%	04:33:34
3cx	Running	0%	06:34:10
3cx	Running	0%	06:45:02
3cx	Running	0%	04:07:55

3. **Windows Task Manager:** A screenshot of the Windows Task Manager Performance tab, showing CPU usage. The 'CPU Usage' section shows a bar chart with a green bar at 10%. The 'CPU Usage History' section shows a line graph of CPU usage over time.

1. **Web-based Management Console** - Access the phone system from anywhere
2. **Virtualize** - Save on hardware, energy & administration costs
3. **Monitor** - Monitor events & performance of PBX like any other server application

Freedom of Choice



Edit Extension - Ext.101 Troodia Spyrou

Edit Extension settings and click OK or Apply to save changes.

General | Forwarding Rules | Phone Provisioning | Other

Provisioning

Provisioning ensures the phone settings are centrally retrieved, this limits the amount of time s

MAC Address: OC123456

Model: GrandStream GXP-2000

Select Interface: 192.168.1.3

BLF (Busy Lamp Fields)

You can map one or more BLF (Busy Lamp Fields) of your phone to particular extensions in ord the status of those extensions on his phone.

1	107 Kevin	9
2		10

File Add View Settings Links Help

Extension status Server Activity Log Add Extension Add PSTN Gateway

3CX

3CX Phone System

Ports/Trunks Status

Extension Status

Server Activity Log

Services status

Extensions

PSTN devices

Grandstream(8)

Patton 4554

Gateway Name	Host / IP Address
Grandstream(8)	192.168.1.12
Patton 4554	192.168.1.11

VOIP Providers

Add VOIP Provider Wizard

Add VOIP Provider Wizard

Name of Provider: MyVoIPProvider

Choose a Provider:

- Broadvox Go Anywhere
- Broadvox SIP Trunk
- CallCentric
- CellIP
- Genetec SIP Trunk
- Genetec VoIP Provider
- Genetec VoIP Provider (Compatibility mode)

Tested Interoperability with Leading SIP Hardware & VoIP Providers

3CX has completed interoperability testing with leading industry VoIP hardware providers of SIP Phones and VoIP Gateways, giving businesses total vendor independence and freedom of choice.

Leverage low call costs by using 3CX with popular VoIP Providers worldwide or use 3CX Phone System with Skype Connect to make and receive calls to Skype users at no charge.

Many leading SIP Phones are interoperable with 3CX Phone System including Grandstream, Aastra, Linksys, Cisco, Yealink, Polycom, Siemens and X-Lite.

3CX has a global network of thousands of 3CX Partners who provide businesses with fully integrated, cost-effective VoIP solutions, and top grade support.

3CX can automatically configure most SIP phones with the appropriate extension settings.

VoIP Gateways that seamlessly interoperate with 3CX include:

Berofix, Patton, Grandstream and Sangoma. 3CX comes with 'out of the box' configurations for the leading models.

1. **SIP Phones** – Automatic configuration of popular SIP Phones
2. **VoIP Gateway** – Continue to receive and make calls on your existing phone lines
3. **VoIP Providers** – 'Out of the box' configurations for leading VoIP providers worldwide

► Break Away from the Cryptic and Limited Phone Interface



Finally an Easy Way to Use your Phone from Windows with 3CX MyPhone!

3CX MyPhone is a web-based utility that can also be installed as a Windows or Mac desktop application.

3CX MyPhone offers extension users an easy way to transfer, divert, launch or park calls via drag and drop rather than via a cryptic phone interface.

You can view status of other colleagues — even if your colleagues are in another office via the 3CX Bridging feature, and avoid 'voice mail tag' and unnecessary phone calls.

Launch calls by double clicking on an extension, selecting a contact from the phonebook, or by highlighting a number on a web page and hitting a function key.

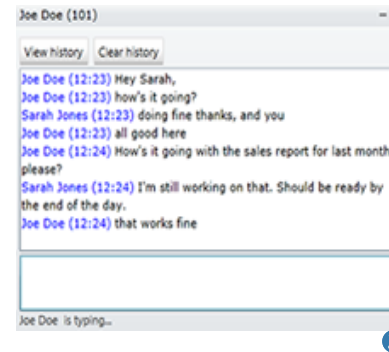
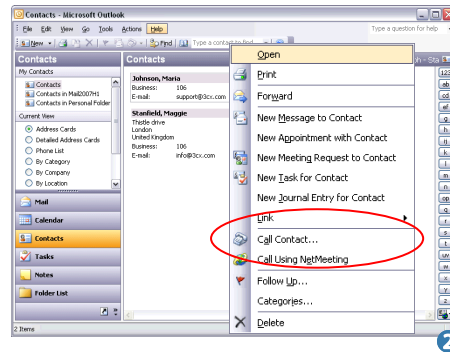
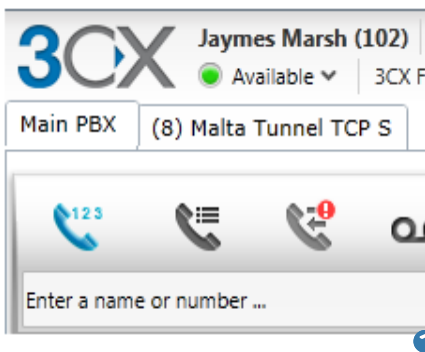
Managers can monitor phone line and call queue status. A handy instant messaging feature allows you to send text messages to other users.

3CX MyPhone works in tandem with any IP phone, 3CXPhone (soft phone) or even analog phones! If using a hardware IP phone, the call will be setup to the IP phone.

3CX MyPhone also integrates with Microsoft Outlook, Salesforce.com, Google Contacts, and other CRM systems to allow launching of calls and call journaling. Caller ID can be matched to a contact record to automatically identify the caller as well as bring up information from previous calls for improved customer service.

All extension users can also view their call history, manage voice mails, phonebooks and more.

1. **3CX MyPhone** – Manage your phone from your desktop, not a cryptic phone keypad!
2. **Microsoft Outlook** – Launch calls from Microsoft Outlook or other popular CRM systems
3. **Instant Messaging** – Communicate with colleagues via text chat



► Boost Customer Satisfaction with 3CX Call Center Module



Stay Ahead of the Competition with the 3CX Call Center Module

The 3CX Call Center module provides professional call center features at an affordable price for small to medium sized businesses.

Boost your customer care agents productivity by reviewing real time queue and agent statistics.

Supervisors can review the number of calls in a queue, how many calls have been answered or unanswered, average and longest wait-times and more.

Improve your customers satisfaction with the Call Back feature. Customers can hang up after a configurable length of time and maintain their position in the queue.

Using the Listen feature, supervisors have the ability to listen in to calls. The Whisper feature allows the supervisor to speak directly to an agent, giving them vital feedback whilst on the call and without the customer hearing. The Barge feature allows the supervisor to enter the call and assist the customer further.

With more detailed call center driven reports, you're always up to date with how your customer care is developing.

Wrap-up time assigns a configurable amount of time for your employees to carry out any admin tasks or to complete other follow-up tasks.

The SLA alerts feature allows supervisors and managers to be notified when callers have to wait beyond a configurable amount of time.

The Call Center module is a license key only upgrade to 3CX Phone System. Simply purchase the upgrade, and reactivate your 3CX Phone System to instantly activate the call center features.

1. **Queue Statistics** – Monitor the queue status, which agents are logged in and out of queues and more.
2. **Call Features** – Listen, Whisper & Barge in to calls.
3. **Configure** – Fully control how queues work right down to setting wrap-up times.

The screenshot displays the 3CX Call Center interface. On the left, a list of agents is shown under the heading '3CX Company'. Each agent has a status indicator (a green dot) and a name. The agents listed are: 102 Jaymes Marsh (Available), 101 Reception (Available), 103 Arthur Moroz (Available), 106 Adriana Bantu (Available), 108 Stepan Yerega (Available), 109 Lorena Ciocanaru (Available), 110 Aram Sargsyan (Available), and 112 Alexandru Goana (Available). A circled '1' is next to the bottom of this list.

In the center, a call control menu is visible, listing various actions: Reject, Transfer, Park, Leave voice mail, Record call, Barge in (highlighted), Listen, and Whisper. A circled '2' is next to the bottom of this menu.

On the right, a dropdown menu is open, showing a list of queue names: 801, Sales Queue, Least Talk Time (selected), Hunt Random Start, Ring All, Prioritized Hunt, Round Robin, and Longest waiting. A circled '3' is next to the bottom of this dropdown.

► Save on Costs with 3CX



Say Goodbye to Expensive Expansion Modules and Costly Phone Bills!

3CX Phone System for Windows is much cheaper than a traditional phone system. The initial purchase cost and the expansion cost are both much lower compared to a proprietary PBX, and with 3CX Phone System you also save on maintenance fees from vendors.

Unlike appliances, 3CX can scale to an almost unlimited capacity because it leverages modern server hardware.

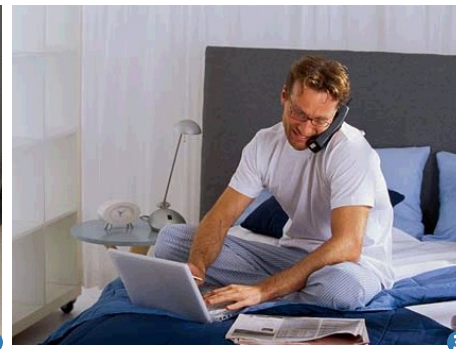
With 3CX, businesses can also use VoIP Providers & Skype to save on international calls and to terminate international customer service numbers on the local IP PBX.

Further savings come from connecting branch offices with 3CX' Bridges, so that all inter-office calls are setup as internal calls and therefore free. Also, integration of remote workers is easy with 3CX Tunnel, boosting mobility and resulting in savings from tele-working possibilities.

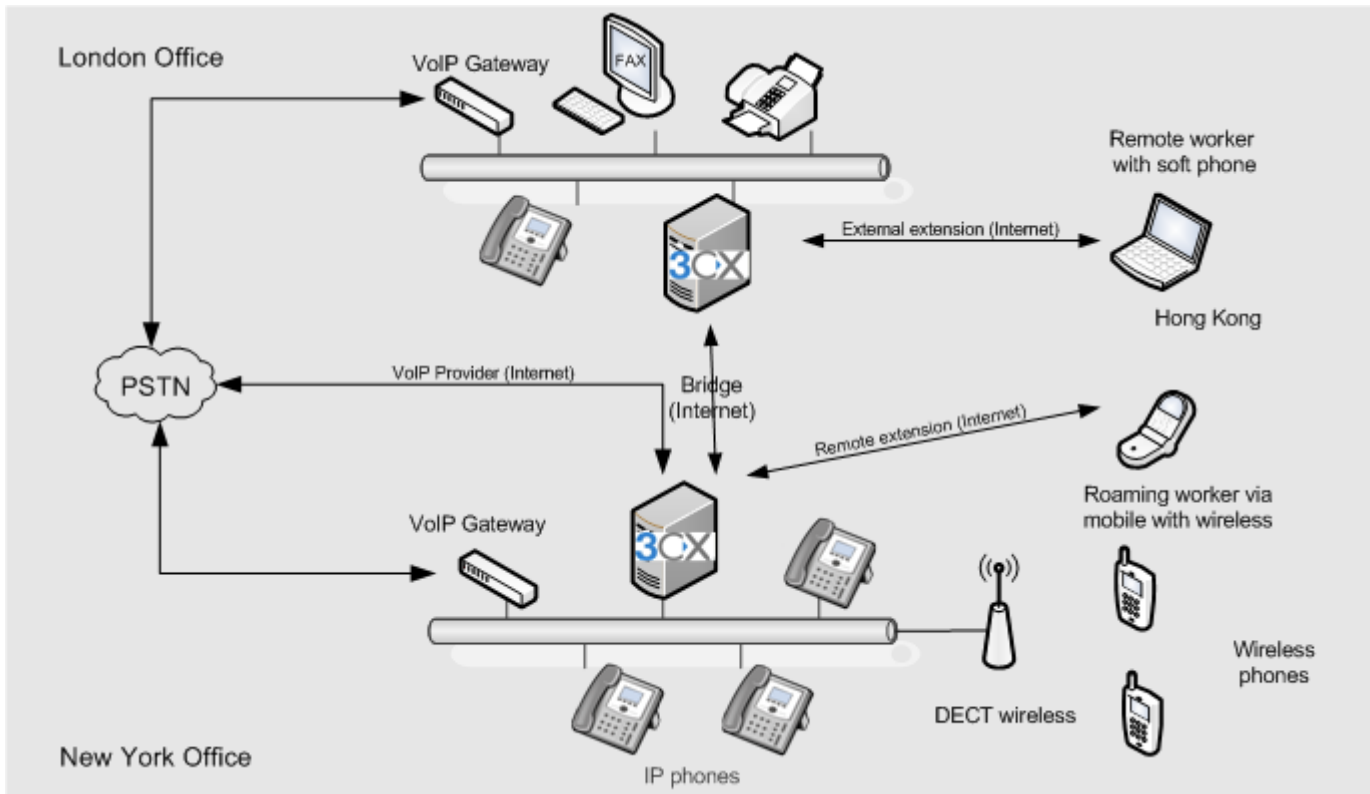
3CX Phone System includes enterprise-level features as standard. Businesses do not need to pay extra for advanced features or add-ons, as these are incorporated in the software: inbuilt fax server, digital receptionist, paging/intercom, integrated voice mail, central phone book and more.

Manage the PBX in house and save on consultants fees.

1. **3CX Bridges** – Setup inter-office calls as FREE internal calls
2. **Advanced Features** – No extra cost for voice mail, auto attendant and Queues.
3. **Tele-work** – Employees work remotely while staying connected to the company's IP PBX



► How it Works



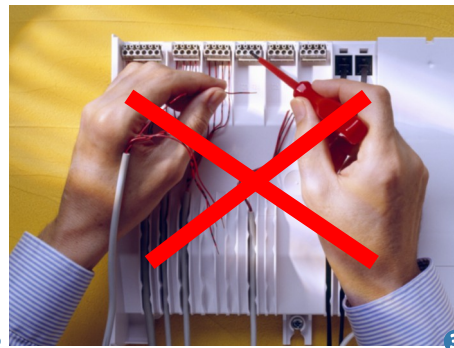
An Open, Vendor-Independent System that Grows with your Business

A complete 3CX Phone System for Windows consists of the server software, soft phones or IP phones, and a VoIP Gateway to connect your existing phone lines. It is also possible to re-use existing analog phones with the use of FXS gateways. A VoIP provider can be used to leverage low cost calls across your network.

3CX can use the existing computer wiring, sharing the network point with the computer, and can be installed on an existing, non-dedicated Windows server or run as a virtual machine.

Add extensions or lines by simply adding standard SIP telephony equipment and save on consultants' fees because of 3CX's easy to use web-based administration.

Overcome the limitations of outdated hardware-based PBX systems, reduce costs significantly and add advanced communications features that will make your employees more productive and your company more efficient and competitive.



1. **Soft phones** – Use in combination with your IP Phone
2. **IP Phones** – Use any leading SIP hardware phone
3. **Phone wiring** – No need for extra cables as phones use your computer network

▶ What Others Have to Say About 3CX

“Configurability of 3CX is outstanding” - Caterham F1

“3CX Phone System is a great Windows-based PBX solution for our company. It is a cost-effective solution which is easy to install and maintain.”

- Mike FASTER, President, Coyote Creek Consulting



3CX VoIP solution makes an impression on PC PRO editor

Jon Honeyball with PC PRO believes that analogue telecom is a thing of the past, and that to get more value from a computing infrastructure it is wise to switch to VoIP. He went on to test 3CX Phone System for Windows and after installing the IP PBX he concluded: “Overall, I’m very impressed with this solution.”

“3CX has significantly helped in achieving our business goals to expand with mobility.”

- Chris Green, Managing Director, NANT Ltd.



3CX Phone System Review in ZDNet

Alan Stevens from ZDNet reviewed 3CX Phone System for Windows and found it to be a very good product: “Very easy to configure and manage, the 3CX Phone System for Windows scores well on functionality and is compatible with most SIP handsets, gateways and services.”

“Configurability of 3CX is outstanding - we can easily make changes to the PBX ourselves, something that was unthinkable on a traditional PBX.” - Bill Peters, Caterham F1 Head of IT



“3CX is very easy to setup and manage. The MS Exchange 2007 Unified Messaging integration works very well. I am very happy with the product!”

- Craig Hyatt, Information Technology Director for Campus Services, University of North Carolina at Chapel Hill



3CX is Editor's Best Award winner - Windows IT Pro magazine

Windows IT Pro editors select winners based on the product's strategic importance to the market, its competitive advantages and its value to the customer. They demand solid value and performance from the products they select using their product knowledge and subject matter expertise.

“3CX was remarkably flexible and easy to install. It was also extremely simple to manage and being able to run 3CX on Windows Server offers great peace of mind.” - Dustin Adam, Director of IT RE/MAX



Computer Shopper highly recommends 3CX Phone System

Karl Wright reviewed the Free edition of 3CX Phone System for Windows for UK's biggest technology magazine Computer Shopper and wrote that he “couldn't really fault 3CX's Phone System. The free edition has most of the functions a home office or small business will need...considering you can download it for free, we highly recommend it.”

“I was attracted to 3CX' software because of its simplicity, because it runs on Windows and because it has web-based management.”

- Steve Hechtman, President, Inductive Automation / Calmetrics Company



“Our IP PBX is only 30% of the cost of other phone systems”

Following an interview with 3CX's CEO Nick Galea, Computerwoche's editor Jurgen Hill wrote a very positive article about 3CX Phone System for Windows' market position, the advantages of an IP PBX against a traditional PBX, and the Free edition of 3CX VoIP PBX.

▶ 3CX Impressive Set of Features

General Phone System Features	FREE Edition	Commercial Editions	Management and Scalability	FREE Edition	Commercial Editions	3CX MyPhone	FREE Edition	Commercial Editions
Call Logging, Call Reporting	•	•	Web-Based Management Console	•	•	Web-based Utility	•	•
Blind Call Transfer, Attended Call Transfer	•	•	Configuration Wizard	•	•	Transfer Calls	•	•
Call Forward on Busy or No Answer	•	•	Real Time Web-based System Status	•	•	Shows Incoming Calls	•	•
Call Routing by DID and Caller ID	•	•	Integrated Web Server	•	•	Shows Caller ID	•	•
Conference Calling	•	•	Backup and Restore	•	•	Shows Personal Call History	•	•
Auto Attendant / Digital Receptionist	•	•	Firewall/NAT Friendly Configuration of External Extensions via Tunnel	•	•	Divert Calls to Voice Mail		•
Voice Mail / Music on Hold	•	•	MS Windows Server Certified	•	•	Queue Monitoring		•
Ring Groups & Hunt Groups		•	Integrated Enterprise Database (PostgreSQL)	•	•	Shows Status of Other Extensions		•
Central Phonebook	•	•	VM Ware / Hyper V	•	•	Run as Presence Monitor with Desk Phone		•
Call by Name	•	•						
Call Queuing		•	Unified Communications & Mobility			3rd Party Application Integration		
Call Recording		•	3CX MyPhone Self-Service User Portal	•	•	Microsoft Outlook Integration		•
Call Parking and Pickup		•	Advanced Forwarding Rules Based on Caller ID, Time and Type of Call	•	•	Salesforce Integration		•
MWI - Message Waiting Indicator		•	Make Video Calls	•	•	HTTP API to Integrate with any Web CRM		•
BLF Status Updates		•	Receive Voice Mail via Email		•	Microsoft Exchange 2007 / 2010 UM		•
Conference Rooms		•	Integrate Branch Offices with 3CX Bridges		•			
Intercom / Paging		•	Standards-based Presence Information		•	Devices and Providers		
Ring Extension and Mobile Simultaneously		•	Integrated Fax Server		•	Supports Popular IP Phones	•	•
			Receive Faxes via Email as PDF		•	Supports VOIP Gateways & cards	•	•
			Receive Email Notifications for Missed Calls		•	Make and Receive Skype Calls	•	•
						Supports Popular SIP /VoIP Providers	•	•
						SIP Trunking Support	•	•
						Free Communication Links to 3CX and other SIP Servers		•
Softphones			IP Phone Management					
Supports Windows, Android 1.6 and iPhone 4.0 and Up	•	•	Automatic Phone Provisioning	•	•	Codecs (Voice Compression)		
Manage Softphone from Management Console	•	•	Remotely manage IP phones	•	•	G711 (a law and u law), GSM, Speex, Ilbc	•	•
Includes Tunnel to Avoid NAT Problems	•	•	Manage IP Phones Network-Wide	•	•	G722	•	•
Auto-Provisioning	•	•	Plug and Play Support	•	•	G729*		•
Remote Configure	•	•	Provision Network-Wide with Correct Settings	•	•			
			Restart one or all Phones Remotely	•	•			
SIP Standards Support			Manage Firmware Network-Wide	•	•			
Fully Supports RFC 3261	•	•						
SIP Forking	•	•						
Establish SIP Trunks with other SIP Servers	•	•						



*The Mini Edition includes two G729 channels, the Small Business Edition includes 4 sim G729 calls, The Pro Editions 8 and the Enterprise Editions 16, 32, 64, 128 or 256

3CX Phone System for Windows available through:



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