

7 Configure Your CTX 1000

- A. From the Information page, click the **Configure** button.
- B. Use the table below to enter the configuration information.

- C. **WAN Link Speed**
 In environments where network utilization regularly saturates the WAN, we recommend configuring the data rate on the CTX 1000 below the actual WAN capacity by ~3%. In addition to account for variance in service provider bandwidth guarantees, the data rate configuration may require additional adjustment.

Field	Description
Host Name	Name used to identify this CTX 1000 device in the network (default: CTX1000).
IP Address	Select type of IP Address either Automatic-DHCP or Static IP. If static, specify: IP Address, Netmask, and Gateway (default: Automatic-DHCP).
WAN Interface	Select Autonegotiate if that is the setting of the device connected to CTX's WAN interface or select speed and duplex of the other device (default: Autonegotiate).
WAN Link Speed	Specify the data rate of the WAN link in kbps (default: 1536 kbps equivalent to a T1 link). Note: Incorrectly specifying the upstream rate can affect voice quality.
Packet Size (MTU)	Specify maximum size (in bytes) of TCP packets (default: Maximum, which leaves packet sizes unchanged up to the maximum allowed by the network).
Voice Class Enabled	Select enable if you would like to set guarantees on voice quality (default: enabled).
Number of Calls	Select the number of concurrent calls to guarantee. This can be based on number of lines from your provider or number of lines provisioned to your PBX (default: 6).
Codec	Specify the codec of voice calls. If you are unsure of codec, use the default of G.711.
Classification	Specify how to classify voice calls based on: (default: SIP using UDP port 5060) <ul style="list-style-type: none"> SIP protocol (Standard UDP port 5060 or Custom user specified UDP port) IP address range/UDP port range (IP address range or UDP port/port range) TOS (Type of Service) – useful if TOS traffic is marked with a specific TOS setting. Supported TOS schemas are: DSCP, IP Precedence, and TOS.
Data Class Enabled	Enable to prioritize a data application or limit bandwidth for particular data application (default: disabled).
Mode	Select Prioritize to have specified application get top priority or second priority if voice traffic is present or Limit application to specified data rate (default: Prioritize).
Classification	Specify data application classification based on: (default: Application/TCP port(s)) <ul style="list-style-type: none"> Application – Select a predefined applications or specify a custom application based on a TCP or UDP port or port range. IP Address – specify an IP address or IP address range, (Can specify the server's IP address.)
Other Traffic Class Enabled	Status of the other traffic class is always Enabled. This is a "catch all" class for all other traffic passing through the network. This traffic receives best effort service.

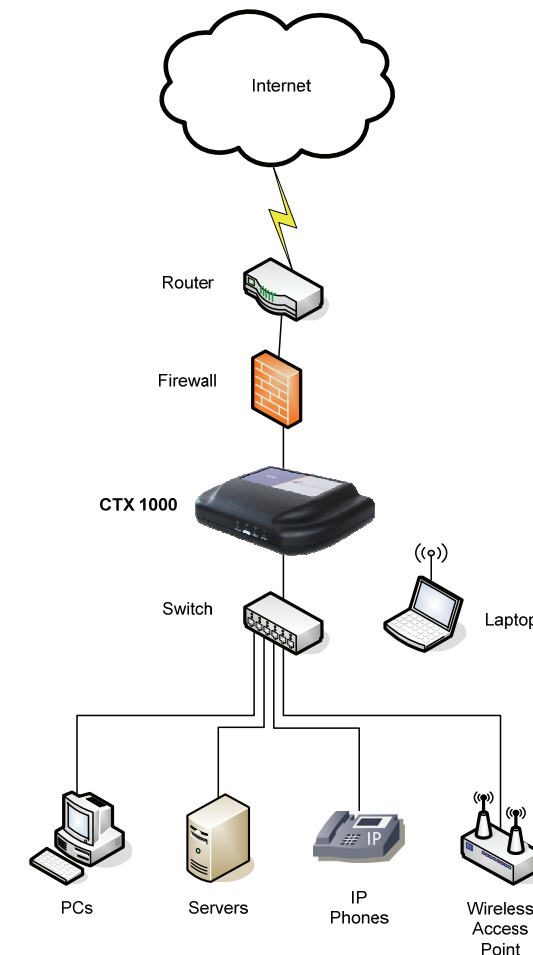
Getting Started Using Your CTX 1000 VoIP Accelerator

This Quick Start Card provides the instructions to help you quickly install and configure your CTX 1000. Deploy the CTX 1000 at the edge of the network between the WAN connection and the LAN devices. The CTX 1000 prioritizes all traffic leaving the LAN.

1 Determine Where to Place Your CTX 1000 In Your Network

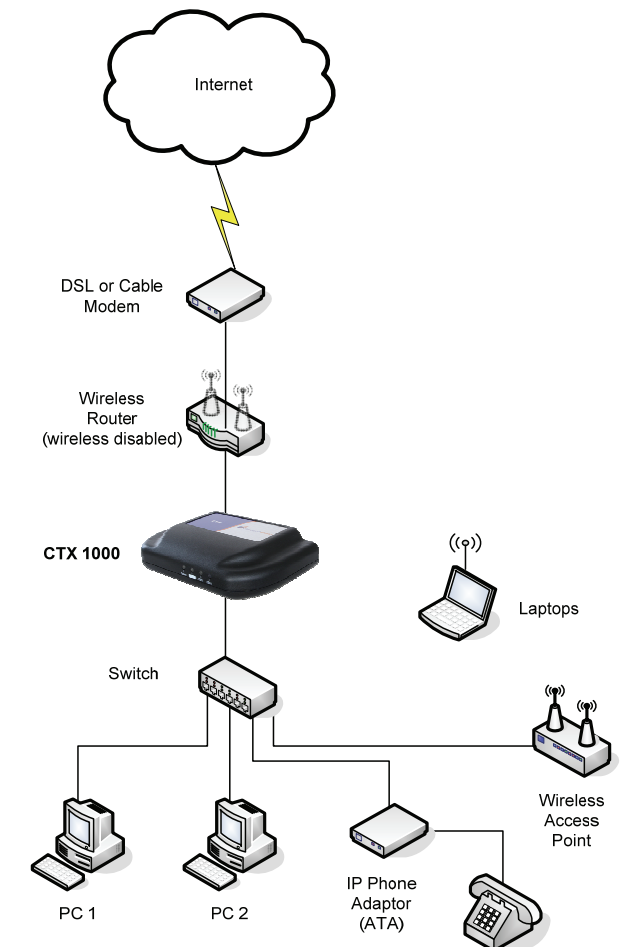
Router and Switch Network (typical scenario)

NOTE: Connect a LAN switch to the CTX 1000 LAN port. Connect a router or firewall to the CTX 1000 WAN port. Use either a DHCP IP address assigned by the router or a static address.



Wireless Router With Internal Switch Network

NOTE: The wireless feature on the router is disabled and a new wireless access point has been added. Connect a LAN switch to the CTX 1000 LAN port. Use either a DHCP IP address assigned by the router or a static address.



2 Check the Contents of the Shipping Container

Check the contents of the shipping container for the following items:

- CTX 1000 VoIP Accelerator product
- Power Cable adapter
- CD-ROM
- CTX 1000 Quick Start Card (this card)



Contact your local sales representative or reseller if any of these contents are missing. The Device Discovery Tool and documentation are available on the product CD-ROM.

3 Install Device Discovery Tool on Your PC

Use the Device Discovery Tool to discover IP addresses of all CTX 1000 devices on the LAN, launch the CTX 1000 Web Management Interface (GUI), and configure the IP address of the CTX 1000 device. To install the Device Discovery Tool on your PC, complete the following steps:

- A. Insert the product CD-ROM into your CD-ROM drive. If autoplay is enabled on your PC, the selection menu displays.
- B. From the menu, select the link: **Install Device Discovery Tool**
- C. Follow the on-screen instructions to install the tool on your PC.

4 Configure the CTX 1000 IP Address Prior to Installation

By default, the CTX 1000 accepts a DHCP address. If the DHCP address fails, the device reverts to its default IP address (192.168.0.239), subnet mask (255.255.255.0), and gateway (0.0.0.0).

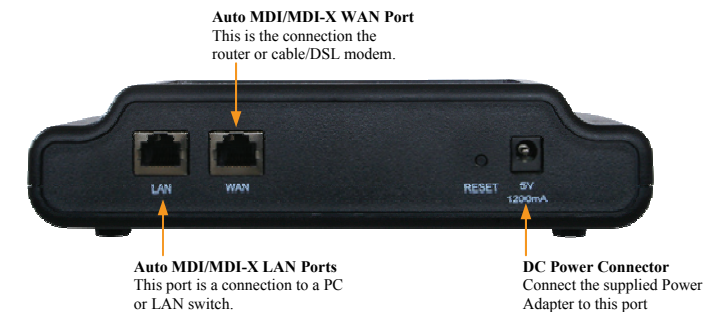
- If you are using DHCP to automatically obtain the IP address, proceed to Step 5.
- To configure a static IP address on the CTX 1000, complete the following steps:



- A. Connect the supplied power cable adapter to the rear of the CTX 1000 and to a power outlet.
CAUTION: To prevent damage to the CTX 1000 unit and personal injury, read the *Converged Access, Inc. CTX 1000 VoIP Accelerator User Guide*.
- B. Use a CAT-5 Ethernet cable (not supplied) to connect your PC to a LAN port on the rear of the CTX 1000.
- C. Launch the **Device Discovery Tool** to change the IP address of the CTX 1000 as follows:
 1. From the main window, click the **IP Properties** button.
 2. Enter a memorable name as the host name (for example, CTX1000-01).
 3. Click the **Disable** option button to disable DHCP.
 4. Enter the new static **IP Address**, **Subnet Mask**, and **Gateway** address for the CTX 1000.
 5. Enter the username and password for the CTX 1000. The username is always **admin** and the default password is **admin**.
 6. Click the **OK** button to exit this window and apply this information to your CTX 1000.

NOTE: The Device Discovery Tool does not require the PC and the CTX 1000 to be on the same subnet. (In addition, the PC does not need a routable IP address).

5 Connect the CTX 1000 to the Network



NOTE: When connecting the CTX 1000 to the network, a temporary WAN/Internet access outage will occur. To connect the CTX 1000 to your network, complete the following steps:

1. Verify the IP address is configured to either DHCP or a static IP address has been set (refer to Step 4).
2. Connect the supplied power cord to the rear of the CTX device and apply power.
3. Connect the network cables to suit your network topology (refer to Step 1).

6 Connect to the CTX 1000 Graphical User Interface

- If you are using the **Device Discovery Tool**, click the **Web Access** button.
NOTE: The PC launching the Web browser must be on the same network as the CTX 1000

- If you are not using the **Device Discovery Tool** and you know the IP address of the CTX device, open a browser window and enter **http://<ip address>**

- A. The login screen displays. Enter the default login information:
Login: **admin**
Password: **admin**
- B. The Information page displays (see below).



System

Data Rate:	1536 kbps
IP Address (Mode: DHCP):	IP Addr: 199.103.141.119 Netmask: 255.255.255.0 Gateway: 199.103.141.1
WAN Interface:	Autonegotiated: 100BaseTx Half Duplex
MAC Address:	00:00:00:00:00:06
Firmware Version:	2.0.0.0.0
Serial Number:	55000003
Uptime:	1 days 3 hours 41 minutes

Statistics

Class	Downstream					Upstream				
	15 min avg kbps	current kbps	current pkts/sec	total bytes	total pkts	15 min avg kbps	current kbps	current pkts/sec	total bytes	total pkts
Voice	0	0	0	0	0	0	0	0	0	0
Data	0	0	0	4451	32	0	3	0	45418	43
Other	0	1	3	13957	211	0	0	0	442	7

Automatic Refresh Off Refresh