

ICE008 is new generation office communication equipment that delivers traditional PBX (private branch exchange) functions and more with advanced Internet protocol technologies.

It is compact in size, diverse in features, easy to install and administer, and rides on existing broadband data network to provide robust, dynamic, and user friendly voice communication services to small/medium and home offices over local and wide area networks.

### System Features

- **Busy Lamp Field and Message Waiting Indication**  
BLF support and Message Waiting Indication (MWI) support are enabled on the GXE. New voicemail messages will automatically trigger an MWI light on phones that support it to notify the user of new voicemail messages.
- **Web Browser Based Administration**  
Gives you an easy graphical user interface to maintain the system via local and wide area network. With the ubiquity of Internet, you can have full control of the system from wherever the network is available.
- **SIP Trunking**  
Because ICE-008 uses industry standard SIP protocol, it can hook up with Voice-over-IP (VoIP) trunks provided by any SIP compliant Internet telephony service provider.
- **PSTN Trunking**  
ICE-008 can also work with any SIP compliant ATA (analog terminal adapter) or VoIP gateways that connect to regular PSTN (public switched telephone network) lines.
- **Dialing Plan**  
Assigns different prefix and suffix to outbound calling routes. This allows efficient and cost based usage of different trunks as the users desire.
- **Call Report**  
ICE-008 keeps detail records of all incoming and outgoing calls that can be reviewed by the user online.
- **System Backup/Restore**  
System configuration and report data can be backed up and restored as needed.
- **Built-In Router**



ICE-008 has built-in NAT and DHCP server. By connecting the LAN port to a hub it can create and manage a sub network of its own.

### Call Handling Features

- **Automated Attendant & Voice Mail**  
User can record system greetings and design interactive voice response (IVR) menu to custom flavor their phone system. Each extension has its own password protected voicemail box with personal greetings and full message management capability.
- **Call Transfer/Call Waiting**  
These are standard PBX call handling functions that deliver calls between trunk lines and individual extensions.
- **Call Parking/Call Pickup**  
These are enhanced PBX functions that allow calls to be parked and then picked up by extensions in a designated group.
- **Call Forward & Do-Not-Disturb**  
These are convenient call answering options that can be individually set for each extension.
- **Follow-Me/Find-Me**  
Transfers calls to designated extension, ring group, or IVR as the user desires.
- **Direct Inward Dialing (DID)**  
Based on the classified incoming call's identity, the call can be routed directly to the specified group or extension.
- **Music-on-Hold**  
A preloaded musical file will be played while the call is being transferred or put on hold.

## System Features

- **Unified Messaging**  
You can be notified of pending voice messages via e-mail.
- **Calling Group**  
A group of extensions can be called in sequence.
- **Call Limit**  
Allows you to set the maximum number of minutes the system can call out per day.

## Networking Requirement

It is recommended that you provide a permanent Internet connection for ICE008, such as that from a Leased Line, DSL, or Cable Modem, and assign a static IP address (real IP address if applicable) to ICE008.

You can also set up ICE008 in the DHCP network environment, though. If you assign a pseudo (private) IP address to ICE008, either static or dynamic IP address, you need to open the following TCP and UDP ports for the IP address assigned to ICE008:

- TCP/UDP ports 5060-5082 for SIP protocol.
- TCP/UDP ports 8000-20000 for RTP audio transport.

In order for the e-mail notification of voice mail messages to work, a standard SMTP e-mail server with a valid e-mail account is required.

It is highly recommended that you use an Uninterruptible Power Supply (UPS) in conjunction with the ICE008 to protect against power surges and failures.

## Unpacking ICE008

The package you received for ICE008 should be a standard package; however, the content may vary depending on the location and the dealer you have purchased the unit from. Report any damage or missing items in the package to your dealer right away. Items in your package should include:

- ICE008 Unit
- Power Supply (5V DC)
- RJ-45 Network Cable

## Detailed Specification

CPU	Intel IXP420/266 MHz
SDRAM	128M
Flash	128M
Voice Compression	G.711 / G.729
Message Storage	Depends on Voice Codec
WAN Port	10/100M RJ45
LAN Port	10/100M RJ45
Power	5V DC
Dimension	4.4" x 4.4" x 1.2"
Weight	185g (0.4lb)

*Advance Information: This document contains the specification for a product under continuous development. Specifications may change in any manner without notice.*

## Installation

Connect your computer with ICE008 using a standard Ethernet (UTP CAT-5e) cable between your computer and the LAN jack on the ICE008 back panel.

Connect your power adaptor to the DC 5V jack on the back panel of ICE008. You should see the Pwr indicator at the front panel turned green immediately.

Installer configuration is on-screen via internet HTML pages.

Select the WAN Port Mode appropriate for your ICE008. Enter the Primary DNS, Secondary DNS, IP address, Subnet Mask, Default Gateway, etc., according to your network environment.

