

# *eutectics* IPP5000 IP Speakerphone



## ***Internet Power Phone 5000 Series™ Secure IP Phone***

The Internet Power Phone 5000™ Secure Desktop IP Phone equipment has the form factor of a standard business speakerphone, similar to those found on many types of office PBX installations.

The set includes a built in ergonomically designed keypad.

The keypad includes the standard 12 buttons plus Last Number REDIAL, FLASH, TRANSFER, HOLD, Vol Up/Dn and 10 MEMORY DIAL buttons.

The IPP 5000 Supports Standard SIP protocol, as well as Cealcomm™ DLDES Secure Encryption with the Cealcomm Secure Telephony Server and Secure SIP (Cealcomm™ Encrypted RTP) services.

# Product Feature Specification and Functionality

## Physical Specification

- Trimline Handset Shell – fully customisable form factor
  - ABS
    - Shock resistant
  - 2 piece construction with mounting structures
    - weighted
    - strain relief
    - RJ9 Female receptacle
    - PCB mounting receptacle
    - Microphone receptacle
    - Speaker Receptacle
    - Volume controls access port
  - Minimal Acoustic Coupling shell
- Hookswitch
  - Low profile
- Keypad
  - 12 button standard
  - 3x4 array
  - standard key designations
  - Carbon contact low profile keypad
  - REDIAL
  - FLASH
  - TRANSFER
  - HOLD
  - MEMORY x 10
  - PRGM
  - Vol Up/Dn
- Base
  - ABS
  - Wall or Desktop Mountable
  - Two piece construction molded
    - Weighted
  - Ergonomic design
- Cat 5 compliant RJ 45 Cord
  - Shielded
  - 2 meters length
  - Straight

## Functional Specification

- DTMF Dialing
- Inbound Ring
  - Optional Distinctive ring
- Mute
- Last Number Redial
- 10 Memory Dial Keys
- Volume Up/Down
- Ringer Volume
- Speakerphone
- IP Port
- Internal Hub
- PC Port
- SIP
- CSTS
- DLDES

## Connections

- CAT 5 – RJ 45
- CAT 5 – RJ 45
- Bus Powered (optional)
- 9VDC – 110/220 VAC

## Client VoIP Supported Protocols

- SIP
- Encrypted SIP
- CSTS
- DLDES

## Components

- RISC Micro Controller
  - ASIC device
- Local Program Memory
- Database
- IP Transceivers
- LCD Display

## Ancillary Services - Integration Dependent

- Voice Mail
- Message Waiting
- Three Party Calling
- Call Waiting
- Caller ID
- DLDES Encryption

## Standards and compatibility

- CAT 5
- FCC part 15 (Class B)
- CE
- UL

## IPP 5000™ IP Speakerphone Installation process

The Eutectics IPP 500™ Secure IP Speakerphone is fully supported by standard SIP servers. It is also compatible with the Cealcomm Secure Telephony Server (CSTS) Minimum requirements:

- Internet Connection
- Local Power

The basic installation process is below. For individual softphones you should visit the Eutectics support page. <http://www.eutecticsinc.com/products/itegration.html>

## Installation:

Please refer to the IPP5000 User guide for installation and configuration information.

## Typical Applications

The IPP 5000 has an integrated Internet gateway so small enterprises can use the 10/100Mbps PC Ethernet interface to connect to their local PC and use the uplink port to connect to the local Router, DSL Modem or Cable Modem.

The IPP 5000 also is the ideal access equipment for small and medium scale enterprises with a local or remote SIP server (as shown in Fig.B). The uplink can be connected to the ITSP (Internet Telephony Service Provider) network through an Ethernet interface connected to the small switch or router.

The optional CEALComm DLDES Encryption technology makes the IPP 5000 a unique device for use with either the Proprietary CEALComm Server (for the most highly secure Government or Military applications) or to encrypt the SIP RTP payload (IPP 5000ES option) for secure Enterprise communication in a standards based environment.

<http://www.eutecticsinc.com/products/itegration.html>

## Availability and timescales

The IPP5000 is in production.

**eutectics**  
343 Passaic Ave  
Fairfield, NJ 07004  
[www.eutecticsinc.com](http://www.eutecticsinc.com)