

## **Internet Power Phone 400 Series™ Deskphone**

The Internet Power Phone 400™ Desktop USB Phone equipment has the form factor of a standard business desk set, 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, and MEMORY DIAL buttons.

The IPP 400 requires the support of Eutectics IPP Softphone integration software and drivers on the PC in order to integrate the hookswitch, ringer and dialing buttons to your PC Softphone Client software.

*Enterprise Audio Quality*

*Internet Power Phone 400 VoIP Handset*

*Coming to a PC near you...*

**eutectics**

*Home of the Internet Power Phone*

North America:  
Eutectics Inc.  
343 Passaic Ave  
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[www.eutecticsinc.com](http://www.eutecticsinc.com)

# 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
  - Magnetic
  - Low profile
- Keypad
  - 12 button standard
  - 3x4 array
  - standard key designations
  - Carbon contact low profile keypad
  - REDIAL
  - FLASH
  - MEMORY1 – MEMORY3
- Cradle
  - ABS
  - Wall or Desktop Mountable
  - Passive Magnetic contact coupling
  - One piece construction moulded
    - Weighted
    - Magnetic
  - Ergonomic design
- USB 1.1 compliant Cord
  - Shielded
  - RJ9 Male termination
  - USB A termination
  - 2 meters length
  - Straight
  - Strain relief

## Functional Specification

- DTMF Dialing
- Outbound Local Dialtone
  - PC originated
- Inbound Ring
  - Optional Distinctive ring
- Mute (PC control)
- Last Number Redial
- 3 Memory Dial Keys
- Volume Up/Down (PC Control)
- Ringer Volume
- Full Client Integration
- Inbound Ring
  - PC Client Supported
  - PC Based Ringer
  - Optional Built In Ringer
  - Optional Distinctive ring
- Mute
  - PC Client Supported
- Volume Up/Down
  - PC Client Supported
- Full Client Integration

## Connections

- USB A
- RJ9
- Bus Powered

## Client VoIP Supported Protocols

- Cisco IP Communicator
- Avaya Softphone
- Alcatel Omnipoint
- Siemens Opticlient
- Nortel i2050
- 3Com pcXset
- Skype
- Xten
- Eyebeam
- SNOM
- Yahoo Messenger
- Google Talk
- Many other popular Softphones

## Components

- Micro Controller
  - 8031/51 Series
  - ASIC device
- Local Program Memory
- Database
- USB Transceivers
- I2C Controller

## Ancillary Services Integration(Client Dependent)

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

## Standards and compatibility

- USB 1.1 – USB-IF Compliance
  - VID 0x0E7D – Internet Power Phone
- FCC part 15 (Class B)
- CE
- UL
- Microsoft WDM/ODM

## IPP 400™ Deskphone Installation process

The Eutectics IPP 400™ Deskphone is fully supported by native Microsoft Windows drivers. Eutectics DLL and API Software is compliant to Windows XP and Vista  
Minimum requirements:

- 500 MHz or better Pentium
- 40 MB free storage space on Hard Drive
- USB Interface
- Internet Connection

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

## Before you begin:

Ensure you have an updated copy of your Operating system including Direct X8.1 or higher. You can download this update free of charge from Microsoft at the following links. Click [here for Windows 98/ME](#) or click [here for Windows 2000/XP](#) to download the latest version. (Hint: Windows XP users and anyone who has the latest Windows Updates will not have to do this step.)

## Step 1:

Install the third party Softphone – for example Cisco IP Softphone. You may need your Network Administrator to assist you in getting this done.

## Step 2:

Download and install Eutectics IPP Softphone integration software. Follow this link <http://www.eutecticsinc.com/products/itegration.html> to install the software.

## Step 3:

Plug in the Eutectics IPP Phone to the PC and let it install itself. When you are prompted for the location of the drivers, enter "C:\programs files\eutectics\\*\*\*\*-IPP\_Softphone\Drivers" as the file path.

## Step 4:

Configure the third Party Softphone software to use the IPP Phone. This is specific to the individual Softphones – so please consult the specific installation guide for your softphone - <http://www.eutecticsinc.com/products/itegration.html>

## Availability and timescales

The IPP400 is in full production.

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