



[www.eutecticsinc.com](http://www.eutecticsinc.com)

**eutectics**

*Home of the Internet Power Phone*

North America:  
Eutectics Inc.  
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Fairfield, NJ 07004

## **Internet Power Phone 2000™ USB ATA**

The Internet Power Phone 2000™ turns any standard telephone into a VoIP Handset.

The IPP2000 is a sleek modern design combined with the quality and reliability characteristic of the Internet Power Phone™ product line.

The IPP 2000™ is able to operate seamlessly with all popular VoIP Client software and has been tested with Cisco, 3Com NBX, Alcatel, Nortel Siemens, Avaya, Skype, Xten, Eyebeam and most other popular softphone client systems.

Full 90V Ring, DTMF Dialing and Dialtone requires the installation of Eutectics integration software. This software is freely available with the device.

# Product Feature Specification and Functionality

## Physical Specification

- Rugged Shell – fully customisable form factor
  - ABS
    - Shock resistant
  - 2 piece construction with mounting structures
    - 110VAC-9VDC supply
    - USB A-B Cord
    - RJ11 Female receptacle
    - Optional 220VAC-9VDC
  - Ergonomic design
- Wall Desk/Mountable
  - ABS
- Hookswitch
  - Current Sensor
  - 3.5 Ringer Eq
  - 90V Ring
  - DTMF Recognition
- Ergonomic design
  - Desk/Wall Mountable
  - Rubber Feet
  - Wall Mount Plate
- USB compliant Cord
  - Shielded
  - USB A termination
  - USB B termination
  - 2 meters length
  - Straight Cable
- LED Indicators
  - Power

## Functional Specification

- One RJ11 Station Port.
- Supports Standard 2500 Tel-set Connection
- DTMF Dialling
- Call Supervision
- Loop Supervision
- Inbound Ring
  - Optional Distinctive ring (software control)

## Electrical Requirements

- Power
  - Wall powered (9 VDC)
  - 110V AC 400ma Adaptor (USA) (UL)
  - 220V AC 400ma Adaptor (Europe/UK) (CE)
- Telephone Station
  - 90V p-p nominal Ring Voltage
  - 48V nominal Loop Battery
  - Ringer EQ of 3.5

## Controls & Indicators

- Power (GREEN LED)
- Full Client Integration

## Configuration

- Remote Configurable
- Remote Software Upgrade
- Local Configuration
  - Via PC Software

## Connections

- USB B
- RJ11
- 9VDC 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 2000™ Handset Installation process

The Eutectics IPP 2000™ Handset 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 update 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 IPP2000 is in full production.

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