

Internet Power Phone 2000™ - Single Port POTS Gateway

The Internet Power Phone 2000™ is a single port Analog Station to USB gateway device. This device provides nominal SLIC interface for standard Telephone sets. Loop current, Ring Voltage, Hook Supervision are provided. Full button integration is supported. Caller ID display is supported. Hook sense is supported.

Several versions of this device are planned to support the various analog telephone specifications around the world. The IPP2000 will support USA telephone specs. Planned products include the IPP2010 to support Europe & UK Telephone specifications.

Product specification and functionality

Physical Specification

- Shell
 - ABS
 - Shock resistant
 - 2 piece construction with mounting structures
 - strain relief
 - RJ11 Female receptacle
 - PCB mounting receptacle
 - USB Strain relief receptacle
 - 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)



Configuration

- Software Configurable (Softphone client)
- Software Upgradeable
- Local Configuration
 - Via PC Software

Telephony Integration

- Analog 2500 Set Compliant (IPP2000 USA standard)
- European/UK Set Compliant (IPP2010 European Standard)
- Caller ID (ANI/CLID) Compliant – supports both numeric and alpha numeric Caller ID

Connections

- 1 Analog RJ11 type female 6P4C Station Ports
- 1 USB B type Female Jack
- 1 DC 9V Barrel type Female Jack

Client VoIP Supported Protocols

- Optional 3Com NBX
- Optional Cisco Softphone
- Optional Cisco IP Communicator
- Optional Avaya Softphone
- Optional Nortel i2050
- Optional Crystal Voice
- Optional Windows Messenger 5.0 – SIP
- Optional SWYX IP PBX
- Optional Artisoft IP PBX
- Optional Sphere Communications Spherical 4 IP PBX
- Optional Shoreline Shoretel IP PBX
- Optional IAX Phone (Asterisk)
- Optional SKYPE
- Optional Freshtel
- Optional AIM
- Optional eyepmedia – SIP
- Optional SJ Phone - SIP
- Optional SIP Stack
 - IETF Standard
- Optional MGCP 1.1
- Optional H.232

Tones

- The Unit shall provide local supervised Dial Tone.
- The Network shall provide Ring-back Tone
- DTMF tones are generated by the Station Equipment

Components

- 1 SLIC Interface
- Philips Semiconductor ASIC
 - Micro Controller 8031/51 Series
 - Codec
 - I2C
- I2c Database
- Tone Generation



- Dial Tone
- DTMF Tones
- Caller ID Tone Synthesis

Ancillary Services Integration(Client Dependent)

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

Standards and compatibility

The IPP 2000 is compliant with the following standards:

- USB 1.1 – USB-IF Compliance
- FCC part 15 (Class B residential)
- FCC part 68 (where applicable)
- CE (IPP2010)
- UL
- Microsoft WDM/ODM

Product support and software/firmware upgrades:

Product Support

- Product Support Tier I provided by VAR
- Product Support Tier II provided by OEM (Eutectics)
- All products 100% factory tested
- ISO 9001 certified production facilities
- 90 day factory warranty (extensible upon request)

Software/Firmware Upgrades

- PC Software including API and DLL via web download/install
- CMOS Upgrade via programmable I2C memory

Installation process

Software compliant to Windows 98 SE, Windows ME, Windows 2000 and Windows XP

Minimum requirements:

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

Process:

- Plug & Play Install
 - USB 1.1 Device Descriptor
 - USB Audio Drivers
 - USB HID Drivers
 - USB Composite Drivers
 - Eutectics Drivers

eutectics

- Install Script
 - Eutectics Integration Software
 - Eutectics DLL
 - Eutectics API
- Client Configuration
 - Client Audio Settings
 - Client Account Setup
 - Test

Availability and timescales

The IPP 2000 device is in full Production.