



- ✓ Optional Pre-loaded Free Open Source IPPBX System
- ✓ Combination of FXS/FXO, BRI, E1/T1, GSM Interface
- ✓ PRI/SS7 to SIP Gateway
- ✓ PRI/SS7/FXS/FXO/BRI Signaling Converter
- ✓ PRI/SS7 TDMoE Gateway
- ✓ Flexible Applications Selection (IPPBX or Firewall)
- ✓ Up to 4 Simultaneous GSM Calls

### Features

- |                                     |                          |
|-------------------------------------|--------------------------|
| ▶ Advanced Dialing Rules            | ▶ Firewall               |
| ▶ Blacklist                         | ▶ Follow me              |
| ▶ Call Detail Records (CDR)         | ▶ IVR Menu System        |
| ▶ Caller ID                         | ▶ Music on Hold          |
| ▶ Call Waiting                      | ▶ Music on Transfer      |
| ▶ Fax Support                       | ▶ Ring Group Call Queues |
| ▶ SIP/IAX trunk & PSTN connectivity | ▶ Three-way Calling      |
|                                     | ▶ Voicemail              |

### Overview

OpenVox IX140 is a standard 19" 1U appliance. It allows users to integrate up to 2 pieces of OpenVox PCI-E telephony interface cards, with any combinations of analog, BRI, PRI, GSM or transcoding interfaces. The optional hardware RAID 1 support provides better data backup for your system. The optional HDD case provides the possibility for hot plug function to the storage device. When RAID1 is installed, thus users can see the status of the storage devices from a GUI and then simply replace a backup HDD whenever needed without opening the appliance. What's more, the IX140 provides two flexible ways of power supply: internal and external and it's up to you to select one of them to power up the IX140.

The IX140 supports comprehensive protocol processing, including SIP, H.323 protocols in IP side and BRI, PRI, SS7, GSM and some protocols transcoding in CPE. Taking the full advantages of open source platform, the IX140 will be preloaded with Elastix®, PBX in a Flash™, FreePBX or trixbox® IPPBX software.

*3 -Month "No Questions Asked"  
Return Policy  
Two-Year Warranty*

### Specifications

#### Technical Specifications

- ▶ VoIP
- ▶ SIP
- ▶ H.323
- ▶ Audio Codecs:
  - G.711(alaw/ulaw)
  - G.729a
  - G.723.1
- ▶ UP to 1000 VoIP channels

#### Physical Specifications

- ▶ **Size:** 44cm × 4.5cm × 30cm
- ▶ **Weight:** 5200g (Telephony cards not included)
- ▶ **Interface:** 1 VGA interface
  - 2 USB
  - 2 10/100/1000M RJ45 ports
- ▶ **Alternative Power:**
  - Input: 100-240VAC 0.8A , 50/60Hz
  - Output: 12VDC, 5A

### Combination Options

- ▶ A400E/(E)810E/(E)1610E
- ▶ B100E/(E)200E/(E)400E
- ▶ D(E)130E/(E)230E/430E
- ▶ G400/410E

Except A400E, B100E, G400E and G410E, all compatible cards can be applied together with EC module.

IX140 supports combination of two cards, for example:

- ▶ A(E)1610E + B(E)400E
- ▶ D(E)430E + B(E)400E
- ▶ D(E)430E + A(E)1610E
- ▶ A(E)810E + A(E)810E
- ▶ G400E + G400E

### Environments

- ▶ **Temperature:** 0 ~ 50°C (Operation)  
- 40 ~ 125°C (Storage)
- ▶ **Humidity:** 10 ~ 90% NON-CONDENSING

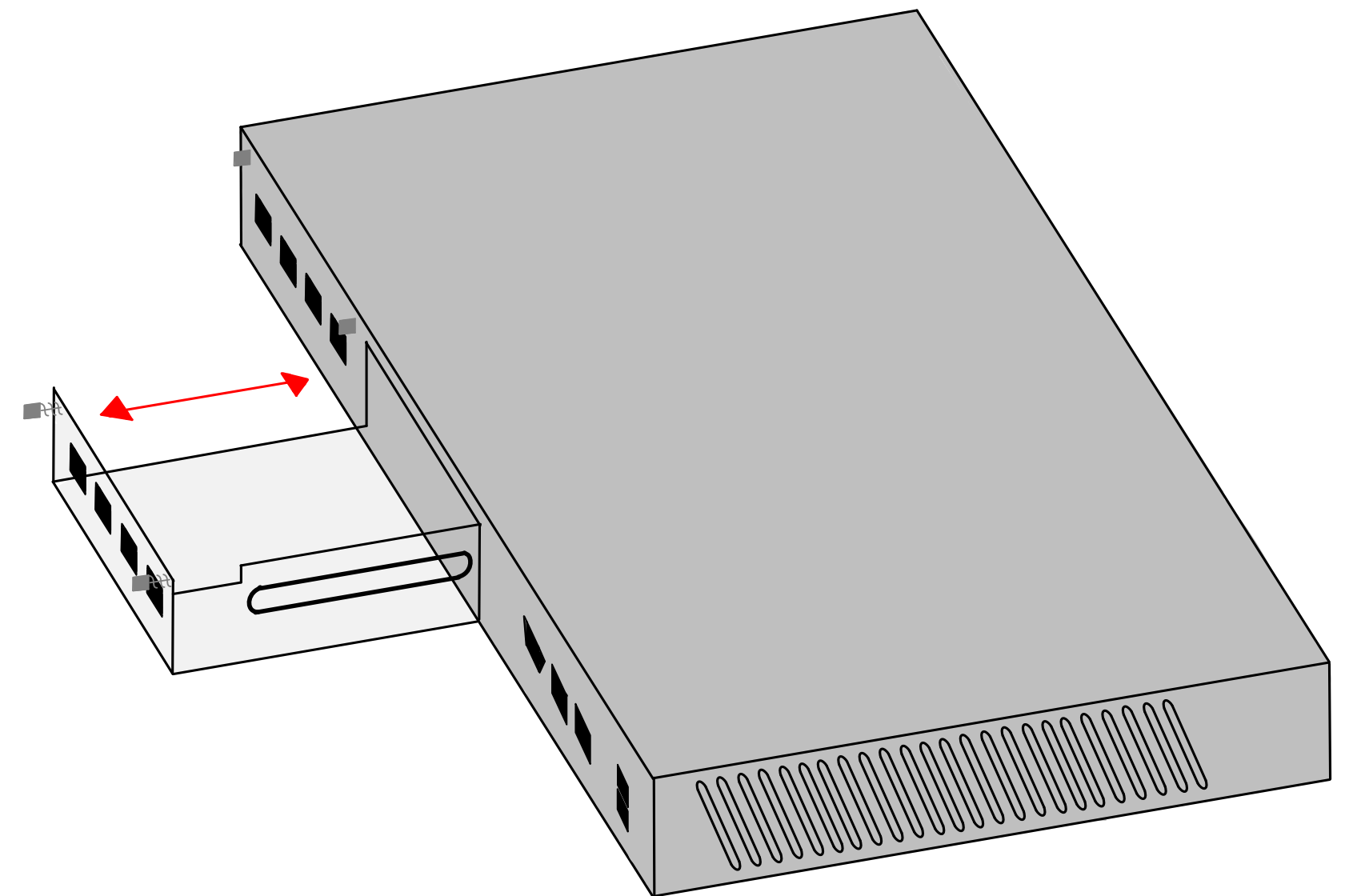
## Motherboard Main Features

- Powerful Intel (R) Celeron(R) N2930 Processor
- 2MB L2 cache, 64-bit instruction
- PCIe x4 Golden Finger
- Up to 2 Ethernet channels
- Up to 1 Mini PCIe sockets for wife cards
- Up to 8 GB DDR3L 1333
- 8Mbit flash for AMI BIOS
- 1VGA port (DB15) for display interface
- Header for LPC bus (use for flash recovery or I/O expansion)
- Low EMI Emission level and high Electro Magnetic susceptibility
- Voltage range :12V DC supply through DC jack

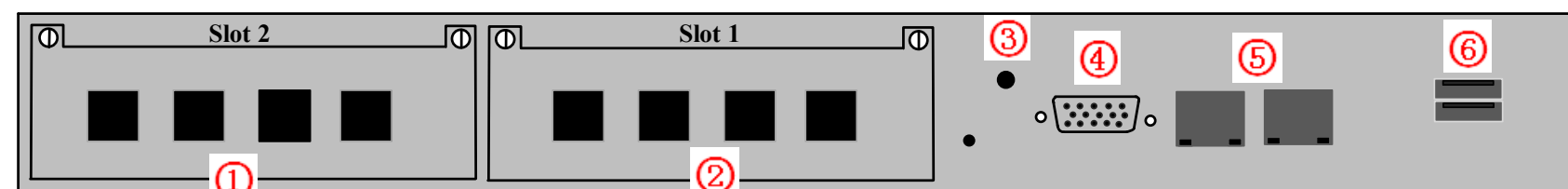
## Motherboard Technical Specifications

- CPU: 1.83GHz Intel(R) Celeron(R) N2930
- Storage: 1 SATA slot, 1 mSATA Socket
- Three front panel LEDs, for 3 programmable GPO status indicator
- Push button: for mode setting switch, accessing a programmable GPI, active low means switch is pressed
- PCIe Interface: PCIe x4 Golden Finger
- Expansion: 1 Mini PCIe slot
- Connectivity: Up to 2 Ethernet channels (10/100/1000Mbps speed)  
2 PCIe Ethernet controllers  
Support PXE (for remote booting)
- I/O: 1\*DB15 VGA port, 4\*USB 2.0 port
- Board size: 6 x 6" (152.4 x 152.4 mm)
- Temperature: 0°C to 60°C (contact factory for more temp. options)
- Firmware: AMI\_UEFI BIOS
- PCB layer: 6
- Power dissipation: ~7.5W (Minimum Power Dissipation)

### Side View



### Front Panel



### Rear Panel



- ① ② Telephony Cards Area
- ③ Open/Close Button
- ④ VGA Interface
- ⑤ 2 10/100/1000Mbit Network Ports
- ⑥ 2 USB Ports
- ⑦ HDD
- ⑧ DC Power Interface (External and Optional)
- ⑨ AC Power Interface (Built-in and Optional)