

THE POSITRON TELECOM ADVANTAGE

The solutions from Positron Telecommunication Systems are unique in their approach to telephony communications. This document describes some of the fundamental differences between our solutions and others in the market place.

Installation Steps

Steps to complete in order to run an Asterisk system with a 4-port FXO board

COMPETITION

- Install - Asterisk
- Install - Driver (ZAP, CAPI or DAHDI)
- Install - Board into PCI slot

POSITRON

- Install - board into PCI slot

Note: The Positron PCI cards are standalone solutions with the Linux, Asterisk and telephony already installed on the card itself. A user only needs to apply their specific configuration. Additionally, the PCI cards do not require a host PC driver to be installed. This is an option if the user requires host-to card communication over the PCI bus.

Operating System Support

COMPETITION

- Linux

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- Linux
- Windows (XP, 2003)
- Ethernet

Note: The Positron PCI cards do not require the installation of a host PC driver. This is an option if the user requires host-to card communication over the PCI bus. The PCI card can therefore be installed in any host PCI slot and will communicate over Ethernet.

Application Support

COMPETITION

- Requires a driver to communicate with the application
- Asterisk
- Call Weaver
- Freeswitch
- Trixbox

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- SIP protocol is the interface to the application
No drivers are required
- Asterisk
- Call Weaver
- Freeswitch
- Trixbox
- Unified Messaging Applications
- HMP Applications
 - Diva SoftIP, HMP
 - IVR solutions
 - Conferencing bridges
 - Audio recordings

Note: The Positron PCI cards do not require the installation of a driver and can communicate with any SIP application over Ethernet. This is a significant advantage in terms of compatibility with applications.

FAX Support

COMPETITION

- The following items need to be installed and configured in order to enable fax:

FAX Application

FAX Modem

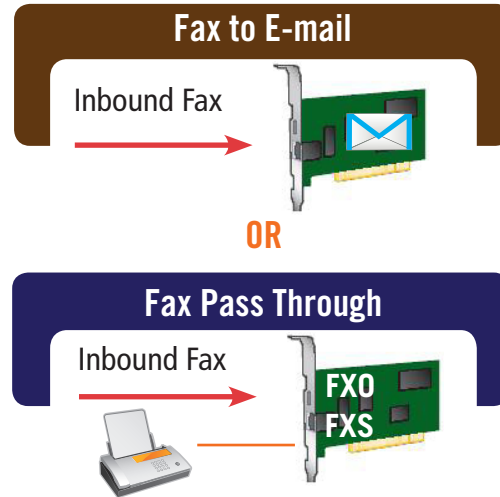
Asterisk

ZAP / CAPI, DAHDI

Board

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- The fax solutions are already installed and enabled



Note: The Positron solution has two common methods to support fax:

1. Fax to email gateway
2. Fax pass through

The board can be configured using option 1 or 2 with no additional software required.

Additional Highlights

Flexible Communication Between Boards

All boards are Ethernet based, which allows boards with different telephony interfaces to co-exist within the same host PC

Failover Support

Positron has developed a Master / Slave application that allows two identical boards to synchronize and monitor each other for the purpose of backup and automatic failover in event of a failure

No FUSS

No more compile / version conflict / toolchain / missing library issues

Easy to Order

No additional echo canceller, FXS or FXO clip on cards. It is a one board solution

No CPU Load

All processing happens on the card requiring no CPU power

Operating System Independent

If the host PC crashes, our systems keeps on running

