

# ANALOG TELEPHONY CARDS



Digium® analog cards were created for connecting analog telephones and analog POTS lines through a PC. Using one of our analog cards in concert with Digium's Asterisk® software, standard PC platforms, and the Linux® OS, one can create telephony environments capable of satisfying the needs of business applications with industry-leading quality.

The analog cards, with their interchangeable single and quad FXS and FXO modules, can eliminate the requirement for separate channel banks or access gateways. Digium's commercial, toll-quality High Performance Echo Cancellation (HPEC) software is available to our analog customers at no additional cost. The optional VPMADT032 hardware echo cancellation module provides the same toll-quality as HPEC, but without the performance impact of a software based solution. Scaling of an analog card solution is accomplished by adding additional cards.

Digium's analog cards utilize patent pending VoiceBus™ technology. VoiceBus technology allows these cards to use an industry standard, bus-mastering interface as found in millions of PCs worldwide. VoiceBus maximizes system compatibility and prevents system conflicts.

## Features

### Target Applications

Channel Bank Replacement / Alternative  
Small Office Home Office (SOHO) applications  
Small and Medium Business (SMB) applications  
Gateway Termination to analog telephones/lines

### Services and Features

Caller ID and Call Waiting Caller ID  
ADSI Telephones  
Loopstart Signaling Support



### 4 Port Analog

4 Ports for connecting analog telephones or POTS lines  
Half-length Analog Card  
Up to 4 FXS or FXO Modules  
High Performance Echo Cancellation (HPEC) Software (Optional)  
TDM410 for use with a PCI 2.2 compliant slot - Bundled with VPMADT032 as TDM410PE  
AEX410 for use with a PCI-express 1.0 compliant slot – Bundled with VPMADT032 as AEX410PE



### 8 Port Analog

8 RJ-11 interfaces on a single PCI bracket  
8 Ports for connecting analog telephones or POTS lines  
Half-length Analog Card  
Up to 4 Single FXS or FXO Modules, or 2 Quad FXS or FXO Modules  
High Performance Echo Cancellation (HPEC) Software (Optional)  
VoiceBus™ technology  
TDM800 for use with a PCI 2.2 compliant slot - Bundled with VPMADT032 as TDM800E  
AEX800 for use with a PCI-express 1.0 compliant slot - Bundled with VPMADT032 as AEX800E



### 24 Port Analog

Up to 24 Ports through a combination of FXS and FXO modules  
Full-length Analog Card  
Up to 6 Quad FXS or FXO Modules  
RJ21X Connector  
High Performance Echo Cancellation (HPEC) Software (Optional)  
VoiceBus™ technology  
TDM2400 for use with a PCI 2.2 compliant slot - Bundled with VPMADT032 as TDM2400E  
AEX2400 for use with a PCI-express 1.0 compliant slot - Bundled with VPMADT032 as AEX2400E

# Digium, The Asterisk Company



Corporate Office  
445 Jan Davis Drive NW  
Huntsville, AL 35806 - USA  
[www.digium.com](http://www.digium.com)

Phone: +1 256-428-6000  
Toll Free: +1 877-DIGIUM1  
Sales: +1 256-428-6262  
Fax: +1 256-864-0464

Copyright © 2009 Digium, Inc. All rights reserved. Digium, Asterisk, and Switchvox are trademarks of Digium, Inc. All other trademarks are property of their respective owners.

Digium reserves the right to change, without notice, product offerings and/or specifications.

Under the Risk-Free Guarantee, Digium® will refund the purchase price of any qualifying Digium product(s) for any customer that is not 100% satisfied with the performance of the Digium product(s) they purchased. For more detailed information about Digium's ESP Program, please visit [www.digium.com/esp](http://www.digium.com/esp).

Version 1.2 / 2 July 2009



Digium® is the creator, sponsor, and innovative force behind Asterisk®, the industry's first and world's most popular open source telephony software. Additionally, Digium provides a variety of VoIP communication solutions that fit the needs of small, medium, and large businesses. Digium's product lines include commercial business phone systems, as well as software, hardware, and other components needed to create powerful custom telephony solutions.

## BUSINESS PHONE SYSTEMS

---

Digium's line of award winning Switchvox IP PBX phone systems are built on a strong foundation of our open source Asterisk software. Switchvox solutions are designed to be extraordinarily easy to use and provide features that most small and medium businesses had previously considered out of their reach.

Switchvox's web-aware unified communications capabilities are unique in an industry cluttered with old technology. Integration with web and back office applications turns your phone system into a powerful platform for employees' productivity and efficiency. Its web-based Switchboard provides an intuitive control panel to assist with call management in real time while unifying phone calls, faxes, e-mails, instant messaging, Google Maps, CRM systems and other web tools from an easy-to-use, centralized control panel.

We're able to offer these PBX systems with superior capabilities for a fraction of the cost of traditional vendors' products because the shift to an open source software foundation represents a dramatic leap forward in telephony technology.

## CUSTOM TELEPHONY SOLUTIONS

---

Digium empowers users, developers and integrators to build custom telephony solutions by offering a variety of software, hardware, and third-party components. From a simple phone system, to a sophisticated telephony application, Digium makes it possible for the world to communicate in an infinite number of ways at a fraction of the cost of proprietary solutions.

At the heart of these offerings is Asterisk, the powerful open source telephony development toolkit. Asterisk is free software that turns an ordinary computer into a feature-rich voice communications platform. Its flexible architecture lets you configure it as an IP PBX, a voicemail server, IVR server, VoIP gateway, call recorder, automatic call distributor and virtually any other voice-enabled application you can imagine.

To support Asterisk-based solutions, Digium offers a full line of high quality analog and digital interface cards to connect your solution to the public telephone network. In addition, Digium offers add-on software components like Skype® For Asterisk, Fax For Asterisk, G.729 codec, and high performance echo cancellation (HPEC) to enhance your solution.