

Dialogic® Diva® UM-Analog

The Dialogic® Diva® UM-Analog Media Boards provide two, four, and eight ports and serve as an excellent communication platform, which scales from 2 to 64 channels (phone lines) per single server.

The Diva UM-Analog Media Boards offer voice, speech, conferencing, VoIP, modem and fax features, and can serve as a base for many communication applications. The boards are supported by most standard applications, and are also suitable for new application development. Diva UM-Analog Media Boards are available in Low Profile, Half Size, or Full Size form factors and are available in both PCI and PCI Express (PCIe) versions. Diva UM-Analog can be seamlessly combined with other Dialogic® Diva® Media Boards, such as E1/T1, ISDN PRI/BRI, and VoIP.



Because both PCI and PCIe versions share the same feature sets, migration from a PCI server hardware to PCI Express server is easy. PCI and PCIe versions can also be used in the same server.

The Diva UM-Analog Media Boards support the same set of programming interfaces as other Diva® Media Boards: the three Dialogic® Diva® APIs, CAPI, TAPI, COM port, WAN Miniport, TTY, Asterisk, and SIP/RTP. Because of consistent interface support, applications written for one Diva Media Board will normally work without modification with Diva UM-Analog Media Boards.

The Diva UM-Analog-2, UM-Analog-4, and UM-Analog-8 Media Boards support fax transmissions on half (50%) of their available channels. The feature set of the Diva Media Boards in the UM series has been designed to meet the needs of typical Unified Messaging applications.

Product Highlights

Onboard CPU with large RAM and powerful FPGA chip for fast data streaming between the host CPU, the DSPs, the phone line and the other active components onboard

Can remove performance bottlenecks by offloading key realtime tasks that would ordinarily place an excessive burden on the host server, allowing Quality of Service (for example, voice quality and connection speed) to be more consistent

One powerful DSP dedicated to each communications channel

Provides real-time processing of complex operations (such as V.90 data modem, V.34 fax receiver and transmitter, voice compression, or echo cancellation) without reducing overall system performance, which lowers implementation costs

Sophisticated hardware design

Operates with low power consumption

Conforms to plug-and-play standards

Easy installation and operation

Implements most supplementary services and many different analog signaling protocols

Allows application compatibility with major PBXs and can make a system based Dialogic® Diva® technology ready for worldwide use

Pulse and tone dialing

Handles enterprise voice, conferencing, fax, and remote access applications via any PBX offering analog trunk

interfaces

Voice packetization into Real-time Transport Protocol (RTP), adaptive jitter buffer, voice compression (G.726, GSM), and Comfort Noise Generation (CNG)

Permits legacy voice, speech, and conferencing applications to be used with VoIP clients and IP phones

Supports the same programming interfaces as other Dialogic® Diva® Media Boards: CAPI, TAPI, Dialogic® Diva® APIs and others

Reduces porting efforts and time to market by making Diva Media Boards compatible with standard telephony and communications applications

Up to eight Diva Media Boards of the same or different types can operate concurrently in a single server

Easy scalability and flexibility to address an organization's communications needs in changing environments, such as VoIP

Product

Order Code

Description

Diva UM-Analog-2 (with additional LP bracket)

306-385

2-port Analog, 1 Channel fax (V.34), Loop-Start, PCIU

Diva UM-Analog-2 PCIe (with additional LP bracket)

306-387

2-port Analog, 1 Channel fax (V.34), Loop-Start, PCIe

Diva UM-Analog-4

306-384

4-port Analog, 2 Channels fax (V.34), Loop-Start, PCIU

Diva UM-Analog-4 PCIe

306-388

4-port Analog, 2 Channels fax (V.34), Loop-Start, PCIe

Diva UM-Analog-8

306-383

8-port Analog, 4 Channels fax (V.34), Loop-Start, PCIU

Diva UM-Analog-8 PCIe

306-390

8-port Analog, 4 Channels fax (V.34), Loop-Start, PCIe