

Diva™ Server



***The ideal platform for media processing
and communications applications.***



Diva™ Server

Diva Server is a family of robust software and hardware products for the integration of multiple applications into a single platform. Its key target application areas are Voice, Speech, Conferencing, Fax, Unified Messaging, Remote Access, CTI, and IVR. Whatever communications application you have in mind, Eicon has the most flexible, scalable, open platform you could want.

Diva Server Hardware Products

Diva Server hardware supports a wide range of digital interfaces from a single ISDN Basic Rate (BRI) adapter, to multi-BRI as well as ISDN Primary Rate (PRI), E1, T1, single-, dual- and quad-span models. For analog interfaces Diva Server offers 4-port and 8-port models. Designed to be scalable, any combination of Diva Server adapters can be mixed and matched in your system offering an ideal selection to suit your communications needs. Superior performance and functionality is provided, as all hardware family members run the same software, and share the same architecture of a RISC CPU and Digital Signal Processors (DSPs).

The Diva Server BRI is a universal communications adapter offering two concurrent connections over an ISDN basic rate interface enabling high-performance enterprise fax, voice and remote access applications.



Diva Server BRI

The Diva Server 4BRI is a universal communications adapter offering eight concurrent connections over four ISDN base rate interfaces, enabling high-performance enterprise fax, voice and remote access applications.



Diva Server 4BRI

The Diva Server PRI range contains exceptionally powerful, universal communications adapters offering up to 24 concurrent connections over T1/ISDN PRI and up to 30 concurrent connections over E1/ISDN PRI interfaces, enabling the most demanding fax, voice and remote access applications.



Diva Server PRI

Diva Server Multi-Span 2PRI and 4PRI scale even further, with dedicated DSP resources per channel offering deterministic quality, no matter how demanding the application.



Diva Server 2PRI



Diva Server 4PRI

Diva Server Analog cards are universal communications adapters offering either four or eight concurrent connections over analog trunk interfaces. They are the world's first analog adapters supporting standard CAPI or the Diva Server API (SDK) programming interfaces. They enable powerful enterprise fax, voice and remote access applications over analog lines.



Diva Server Analog-4P



Diva Server Analog-8P

Diva Server hardware products are available in three series:

- **CTI Series** - optimized for basic voice applications
- **V-Series** - optimized for the most demanding voice, speech and conferencing applications
- **Universal** - giving the ultimate flexibility and power to handle the most demanding Fax, Unified Messaging, Remote Access, CTI, IVR, Voice, Speech and Conferencing applications.

Diva Server Software Products

Diva Server SoftIP instantaneously empowers any software application which is based on standard CAPI or the Diva Server API (SDK) programming interfaces to work with IP Phones and Soft-Phones in an IP Telephony environment. Development effort and time-to-market are greatly reduced as developers need focus only on enhancing their application without having to make H.323 or SIP type protocol implementations of their own. Since Diva Server SoftIP supports key supplementary telephony services such as call hold, call transfer and multi-party conference, as well as real-time fax over IP according to the T.38 standard, even the most sophisticated unified messaging and call center applications are enabled to work transparently with legacy telephony users as well as new IP Telephony users.



Diva Server SoftIP

Diva Server SIPcontrol™ adds IP-to-PSTN Gateway functionality to any Diva Server telephony adapter (PCI-board). Diva Server telephony adapters offer a choice of Analog, ISDN BRI and PRI as well as E1/T1 interfaces and Dual and Quad-Span E1/T1. Within a single PC/Server up to eight Diva Server telephony adapters can be installed allowing mixing and matching of any combination of different board types. On digital ISDN BRI and PRI interfaces all international and most national ISDN variants are supported including a complete set of supplementary services. In addition Q-SIG protocols of all major PBX vendors are available.



Diva Server SIPcontrol

Diva Server SoftSS7 software enables all applications written to any of the interfaces supported by Diva Server (e.g. CAPI, TAPI, Diva Server SDK, Envoy, Nuance) to operate seamlessly in both ISDN and SS7/ISUP environments. These applications can run unchanged in a PSTN using SS7 signaling with up to 247 CICs channels per server directly linked to the carrier network. All supported connection types can be used in parallel. SIP, Q-SIG, ETSI and SS7 can be implemented on single or multiple adapters giving application developers maximum flexibility and the ability to scale installations for maximum cost-efficiency. Diva Server SoftSS7 is ideal for many application areas including call routing, messaging and 3G video telephony.



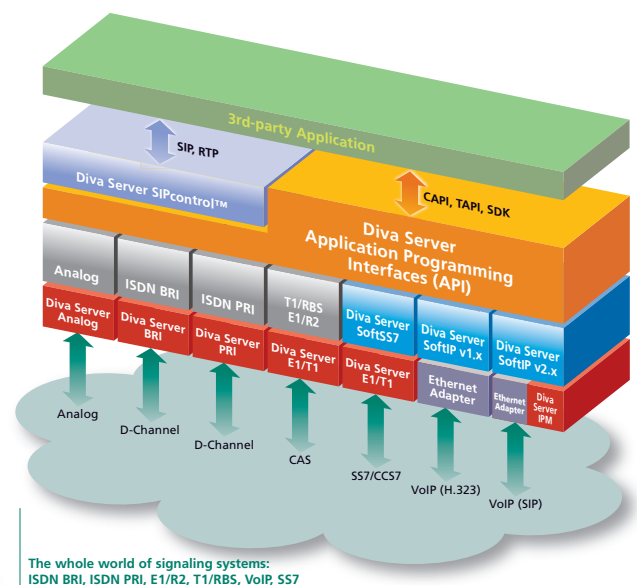
Diva Server SoftSS7

Diva Server - A Powerful Solution

- **Powerful Fax Solution:** The universal Diva Server adapters (equipped with dedicated DSP resources per channel) support Fax Group 3 based on the T.30 fax standard including error correction (ECM) and compression standards (MH; MR; MMR) ensuring fast and reliable fax transmission with a transmission speed of up to 33.6 kbps (V.34). T.38 Fax is supported via Diva Server SoftIP. Additionally, Fax Group 4 is supported when used with a 3rd party application, providing 64 kbps faxing.
- **Powerful Unified Messaging Solution:** The powerful Diva Server adapters support all required capabilities to build a complete Unified Messaging system, including voice, fax, email and SMS (short message service). A broad range of standardized supplementary services as well as private standard extensions offer a perfect choice of services for any application. The support of CAPI 2.0, the most popular standardized ISDN interface makes the Diva Server adapters an ideal solution for most ISDN applications. Alternatively to using CAPI as interface, Eicon offers the Diva Server SDK, a software development kit that enables developers to easily create applications on top of the Diva Server adapter.
- **Powerful CTI Solution:** Support for standardized interfaces such as TAPI and CAPI, the Diva Server SDK, a software development kit for easy application development, a TAPI service provider including wave audio driver, make the Diva Server products a perfect hardware platform for any CTI server application. The Diva Server family supports all necessary standardized ISDN supplementary services as explicit call transfer, call forwarding, conferencing plus Eicon specific extensions such as various tone detections or talker activity detection to fully support any IVR or ACD application.
- **Powerful Remote Access Solution:** Diva Server makes your server a Remote Access server! The support of the WAN Miniport driver enables the Diva Server adapters to use the Remote Access functionality of Windows operating systems. Using the Windows operating system together with a Diva Server adapter enables any mobile workforce to dial into the system remotely. Remote Access Service for Linux is supported as well. Mobile access is available with up to 48.4 kbps via the GSM standard.
- **New convergence – Voice over IP (VoIP):** Within the VoIP market, Eicon works closely with partners who provide VoIP solutions. Based on Eicon's renowned DSP technology, the Diva Server hardware complements any VoIP solution, supporting Echo Cancellation, Voice Activity Detection and Comfort Noise Generation and anti-jitter buffering to ensure the highest quality of voice calls. Diva Server SoftIP provides rich and flexible software platform for host-based IP Telephony and other media processing applications.
- **Highly Flexible:** When a call comes in, the Diva Server automatically switches to handle the right call type. There is no need to dedicate channels or interfaces to one kind of operation (e.g. remote access); channels can dynamically switch between remote access, fax and voice applications. All channels can work concurrently and there is no restriction on the number of incoming versus outgoing calls, or the number of fax/modem versus digital calls.

Diva Server - Key Benefits

- **High-Performance Hardware:** All Diva Server adapters are built on the same high-performance technology of on-board RISC processor and digital signal processors (DSPs) guaranteeing the optimal unrestricted data transfer even under heavy traffic.
- **Easy Application Development:** Eicon offers the Diva Server SDK, a well-abstracted software development kit which provides application programming interfaces (APIs) to allow software vendors to develop single communication applications which can run on all Diva Server hardware and software adapters.
- **Scalability:** Multiple Diva Server adapters can be mixed and matched into one system in any many different combinations.
- **Best Production Quality:** All Diva Server adapters conform to ISO 9001-2000
- **Easy To Install:** The ease of installation is guaranteed as all Diva Server adapters conform to Plug and Play standards
- **Operating System Support:** All Diva Server adapters support the most requested server operating systems Windows Server 2003, Windows XP, Windows 2000 and Linux. Diva Server for Windows 2000/2003/XP is officially certified by the Windows Hardware Quality Labs (WHQL).
- **Interoperability:** Diva Server supports standardized application interfaces, such as CAPI and TAPI ensuring compatibility with leading third-party software packages.



Diva Server - Strong through Partnerships

Eicon Networks Technology Partner Program

Diva Server is a true open communications platform with high flexibility to support a great variety of applications. Eicon has established the Eicon Networks Technology Partner program to work closely with a rich network of Independent Software Vendors (ISVs). These partner ISVs provide a great variety of communications solutions to end customers.



Microsoft Partnership

Diva Server has a longstanding history of supporting Microsoft's operating systems as an important server operating system. Eicon is committed to supporting Microsoft's Windows 2000, Windows XP and Windows Server 2003. As a testimony to this, all Microsoft Windows 2000, XP and Server 2003 CDs include the Eicon Diva Server drivers. Eicon has been working closely with Microsoft's development team from the earliest stages of the product life cycle. With an Eicon Systems Engineering on site at Microsoft's headquarters in Redmond, USA, Eicon is able to develop and test its own products in tandem with those of Microsoft. This cooperative relationship ensures that Eicon's products are tightly integrated with Microsoft's latest generation of PC computing, providing its customers with truly compatible and secure product offerings. All Diva Server drivers are officially tested and certified by the Windows Hardware Quality Labs (WHQL).

For the requirements of smaller companies, the Diva Server family offers full support for communication parts of the Microsoft Small Business Server (SBS). In addition to the Microsoft operating system support, Eicon is a close Microsoft partner through the Windows Telecommunications Alliance.



ISV Software Solutions



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