

# Diva™ Server 4BRI

Today's network administrators face the challenge of streamlining their network administration without sacrificing performance. They need a flexible solution that allows one server to manage all the fax, messaging and remote access needs of their organization.

## *The Ultimate Fax, Voice and Data Platform*

The Diva Server 4BRI answers all these needs perfectly. This active PCI adapter supports four ISDN Basic Rate Interfaces (BRI), enabling one server to support up to eight concurrent communications with a mix of ISDN devices, V.90 analog modems, GSM mobile phones and fax machines, making it an excellent choice for medium-sized businesses. It is based on open systems architecture so that industry-leading Fax Server, Unified Messaging, Computer Telephony Integration (CTI) and Voice over IP (VoIP) applications integrate easily. All email, voicemail and fax can be managed on a single server. Upgrading the server with new enhancements is easy as free software upgrades are available via the web.

The flexibility of the Diva Server 4BRI provides network administrators with a simple, cost-effective, and powerful open communications solution.



### Key Benefits

#### Support Best-of-Breed Applications

The support of standardized software interfaces, such as CAPI 2.0 or TAPI enable the Diva Server 4BRI to be used with industry-leading software packages, enabling the network administrator to build a communication server that best suits their needs.

#### Free Software Development Kit

The Diva Server SDK makes it easy for software vendors to develop their own communication application for the Diva Server 4BRI.

#### Scaleable

Multiple Diva Server 4BRI adapters can be mixed and matched in one system in combination with any Diva Server adapter to meet an organization's increasing communication needs.

#### High Performance

On-board CPU and digital signal processors (DSPs) remove performance bottlenecks, as they perform key real-time tasks that would ordinarily cause an excessive burden on the host server.

#### Fax and Unified Messaging Server

The Diva Server 4BRI supports third party software applications giving complete support for Group 3 fax, voice mail and email messages. Features include DTMF, ECM, MR, MMR, MH and 33.6 kbps Fax. V.42bis compression and V42 error-correction ensure fast and reliable transmissions for modems and fax.

#### CTI Server

With support of CAPI and TAPI the Diva Server 4BRI fully features any CTI server application. A full provision of supplementary services, such as call forwarding and explicit call transfer makes the Diva Server BRI an ideal solution for third party Interactive Voice Response (IVR) and Contact Center applications.

#### Voice over IP (VoIP)

The Diva Server 4BRI supports third party software giving complete support for VoIP Soft-PBXs. High performance is guaranteed with support for echo cancellation (G.168) and voice compression in the DSP of the adapter.

#### Easy to Install

The ease of installation is guaranteed as the Diva Server 4BRI conforms to Intel and Microsoft Plug and Play standards, eliminating the need to manually configure the server.

#### Ready to use worldwide

With support for all the multinational ISDN protocols, the Diva Server 4BRI is ready for use virtually anywhere in the world.

#### 5 year warranty

Backed by one of the most extensive warranty agreements in the industry.

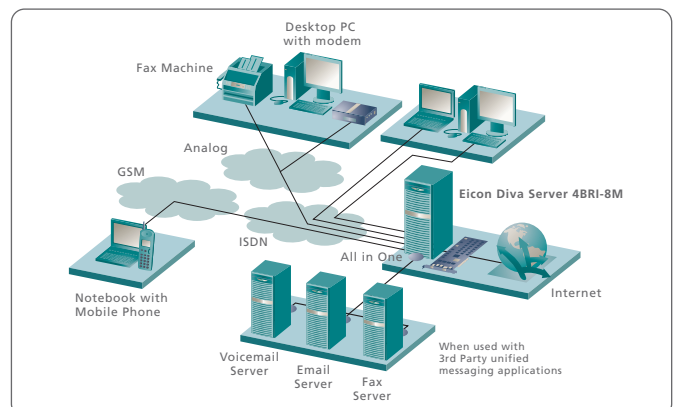
## Technical Specifications

<b>Hardware:</b>	<ul style="list-style-type: none"> <li>Active ISDN adapter for Basic Rate Interface (BRI)</li> <li>4 Basic Rate Interfaces (S/T), (8B+4D)</li> <li>Plug and Play Interface</li> <li>Bus type: PCI 2.2 (3.3/ 5 V)</li> <li>32-bit RISC CPU, 100 MHz, 131 MIPS</li> <li>8 x 65 MHz, 65MIPS DSP</li> <li>16 MB onboard SDRAM</li> </ul>	<ul style="list-style-type: none"> <li>Form factor: Half size PCI</li> <li>Scalable to 4 adapters per system</li> <li>I/O Addresses and Interrupt placed by the system</li> <li>Power Down Management</li> <li>Production Quality: ISO 9002</li> <li>5 year warranty</li> </ul>
<b>Power Consumption and Environmental</b>	<ul style="list-style-type: none"> <li>Power consumption: 580mA@ +5V typ.</li> <li>Operating temperature: 10°C to 50°C</li> <li>Storage temperature: 0°C to 70°C</li> <li>Operating humidity: 10% to 90% (non-condensing)</li> </ul>	<ul style="list-style-type: none"> <li>Barometric operating pressure: 86 to 106 kPascals</li> <li>Maximum tolerance in power supply variation: -5% to +5%</li> </ul>
<b>Driver Software</b>	<ul style="list-style-type: none"> <li>Supported operating systems: Windows NT, Windows 2000, Windows XP, NetWare, Linux</li> <li>D-Channel Protocols: DSS1 (Euro-ISDN), NI-1 (North America National ISDN 1), 5ESS (North America), 1TR6 (Germany), INS Net 64 (Japan), VN3 (France), CT1 (Belgium), Q-Sig</li> <li>B-Channel Protocols: HDLC, Synchronous PPP and MLPPP, X.75 (LAPB), Transparent, X.25, T.30, T.90NL, T.70NL, Rate adaptation (56 kbps), V.90, V.42, V.42bis, V.110, V.120, PIAFS</li> </ul>	<ul style="list-style-type: none"> <li>Application Interfaces: IDI (ISDN Direct Interface), WAN Miniport, COM Port, CAPI 2.0, TAPI, Linux: IDI, TTY, CAPI 2.0, Netware: IDI, CAPI 2.0, Diva Server API</li> <li>Diagnostic Tools: B-channel and D-channel trace program</li> </ul>
<b>Fax and Voice features:</b>	<ul style="list-style-type: none"> <li>DTMF transmission, detection and generation</li> <li>Supplementary Services <ul style="list-style-type: none"> <li>Number identification services (CLIP, CLIR, COLP, COLR, KEY, MSN, DDI, SUB)</li> <li>Call offering services (TP, CFU, CFB, CFNR)</li> <li>Call completion services (CW, HOLD, ECT)</li> <li>Charging Services (AoC)</li> <li>Three-party conference</li> <li>Large Conference</li> </ul> </li> <li>VoIP Gateway support <ul style="list-style-type: none"> <li>Echo Cancellation (G.168)</li> <li>Voice compression (GSM codec)</li> <li>Real Time Protocol (RTP framing)</li> <li>Dynamic Anti-Jitter Buffer</li> <li>Comfort Noise Generation</li> <li>Voice Activity Detection</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Fax group 3 support <ul style="list-style-type: none"> <li>Up to 33.600 bps with each B-channel (send and receive)</li> <li>Fax compression MH, MR, MMR</li> <li>Error Correction Mode (ECM)</li> <li>Fax polling / Fax on demand</li> <li>Fax tone detection</li> <li>Standard, fine, super-fine and ultra-fine resolution</li> </ul> </li> <li>Support for fax class 1 and 2</li> <li>Fax group 4 support</li> <li>Remote Access (via HDLC, V.90, GSM, V.120, X.75) <ul style="list-style-type: none"> <li>GSM support (V.110) up to 38.400 bps</li> <li>Communicates with analog modems (up to V.90). Up to 56.000 bps with each B-channel</li> </ul> </li> </ul>

## Ordering Information

Product Name	Product Code
Diva Server 4BRI-8M 2.0	305-486

National variants might be available. Please contact the Eicon Networks office in your region or look at [www.eicon.com](http://www.eicon.com) for further information.



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