

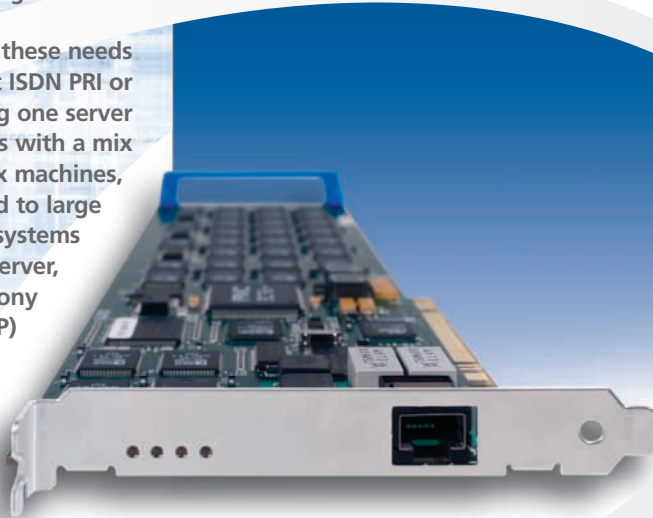
Diva™ Server PRI/T1

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 for PRI and T1

The Diva Server PRI adapters answer all these needs perfectly. These PCI adapters support ISDN PRI or channelized T1 (Robbed Bit Signaling), enabling one server to support up to 24 concurrent communications with a mix of digital devices, V.90 analog modems and fax machines, making it an excellent choice for medium-sized to large businesses. They are 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 PRI/T1 adapters provides network administrators with a simple, cost-effective, and powerful open communications solution.



Key Benefits

Supports Best-of-Breed Applications

Operates with a range of industry-leading software packages, allowing 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 PRI/T1 adapters.

Scaleable

Multiple Diva Server PRI/T1 adapters can be mixed and matched in one system in combination with any other 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 PRI/T1 adapters support 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 V.42 error-correction ensure fast and reliable transmissions for modems and fax.

CTI Server

With support of CAPI, TAPI and Diva Server SDK, the Diva Server PRI/T1 adapters fully feature any CTI server application. A full provision of supplementary services, such as call forwarding and explicit call transfer makes the Diva Server PRI an ideal solution for third party Interactive Voice Response (IVR) and Contact Center applications.

Voice over IP (VoIP)

The Diva Server PRI/T1 adapters support third party software giving complete support for VoIP Soft-PBXs. High performance is guaranteed with support for echo cancellation (G.168) and voice compression (GSM codec) in the DSP of the adapter.

Optimum Selection

Different versions of Diva Server PRI/T1 adapters are available to perfectly meet the needs of your organization. They include the Diva Server PRI/E1/T1 for digital only functionality and CTI solutions, the Diva Server PRI/E1/T1-8 for fractional lines and the Diva Server PRI/T1-24.

Easy to Install

The ease of installation is guaranteed as the Diva Server PRI/T1 adapters conform to Intel and Microsoft Plug and Play standards, eliminating the need to manually configure the server.

Technical Specifications

Hardware:	<ul style="list-style-type: none"> Active ISDN adapter for Primary Rate Interface (PRI) and T1 interface RJ45 Connector 2 x 33 MHz, 60 MIPS DSP for digital-only communication with Diva Server PRI/E1/T1 24 x 33 MHz, 60 MIPS DSP with Diva Server PRI/T1-24 Form factor Diva Server PRI/E1/T1 and PRI/E1/T1-8: Half size PCI I/O Addresses and Interrupt are placed by the system Production Quality: ISO 9002 	<ul style="list-style-type: none"> Plug and Play Interface Bus type: PCI rev. 2.2 (3.3V / 5V) 64-bit RISC CPU, 300 MHz, 420 MIPS 10 x 33 MHz, 60 MIPS DSP with Diva Server PRI/E1/T1-8 32 MB onboard SDRAM Form factor Diva Server PRI/T1-24: Full size PCI Scaleable to 4 adapters per system Power Down Management 5 year warranty
Power Consumption and Environmental	<ul style="list-style-type: none"> Power consumption: 0.92 A @+5 V typ., 2,6 A @+5V max. Storage temperature: 0°C to 70°C Maximum tolerance in power supply variation: -5% to +5% 	<ul style="list-style-type: none"> Operating temperature: 10°C to 50°C Operating humidity: 10% to 90% (non-condensing)
Driver Software	<ul style="list-style-type: none"> Supported operating systems: Windows Server 2003, Windows XP Professional, Windows 2000, Windows NT, Linux, NetWare D-Channel and Signaling Protocols: ETSI-DSS1 (Euro-ISDN), NI-1, 4ESS (AT&T), 5ESS (AT&T), 5ESS (Lucent), DMS100 (Nortel), T1 – Robbed Bit Signaling, Q-SIG, External Signaling (transparent D-channel), Direct Access Mode (no signaling), Network Termination (NT Mode) B-Channel Protocols: HDLC, Synchronous PPP and MLPPP, X.75 (LAPB), Transparent, X.25, T.30¹, T.90NL, T.70NL, Rate adaptation (56 kbps), up to V.90¹, V.42¹, V.42bis, V.110¹, V.120, PIAFS¹ Application Interfaces: WAN Miniport, COM Port, CAPI 2.0, TAPI, Linux: TTY, CAPI 2.0, Netware: CAPI 2.0 Diagnostic Tools: B-channel and D-channel trace program 	
Fax and Voice features:	<ul style="list-style-type: none"> DTMF transmission, detection and generation Supplementary Services <ul style="list-style-type: none"> Number identification services (CLIP, CLIR, COLP, COLR, KEY, MSN, DDI, SUB) Call offering services (TP, CFU, CFB, CFNR) Call completion services (CW, HOLD, ECT) Charging Services (AoC) Three-party conference Large Conference Fax group 3 support^{1,2} <ul style="list-style-type: none"> Up to 33.600 bps with each B-channel (send and receive) Fax compression MH, MR, MMR Error Correction Mode (ECM) Fax polling/Fax on demand Fax tone detection Standard, fine, super-fine and ultra-fine resolution 	<ul style="list-style-type: none"> VoIP Gateway support¹ <ul style="list-style-type: none"> G.711 voice codec (64 kb/s, μ-law, A-law) G.726 voice codec (32 kb/s) GSM voice codec (13 kb/s) G.168 echo cancellation, up to 32 ms tail length Adaptive jitter buffer Voice activity detection (VAD) Comfort noise generation (CNG) Real Time Protocol (RTP framing) Support for fax class 1 and 2^{1,2} Fax group 4 support Remote Access (via HDLC, V.90, GSM, V.120, X.75) <ul style="list-style-type: none"> GSM support (V.110) up to 38.400 bps^{1,2} Communicates with analog modems (up to V.90). Up to 56.000 bps with each B-channel^{1,2}

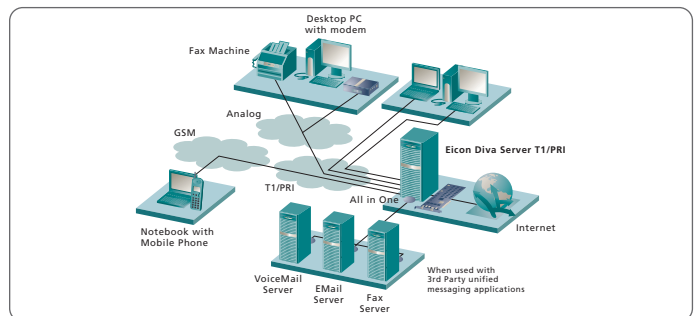
¹ Not available with Diva Server PRI/E1/T1

² Diva Server PRI/E1/T1-8 supports up to 8 analog, fax and GSM sessions on fractional PRI lines with 8 channels

Ordering Information

Product Name	Product Code
Diva Server PRI/E1/T1	306-211
Diva Server PRI/E1/T1-8	306-207
Diva Server PRI/T1-24	306-208

National variants might be available. Please contact the Eicon Networks office in your region or look at www.eicon.com for further information.



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