



Diva™ Server PRI/T1-24

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.

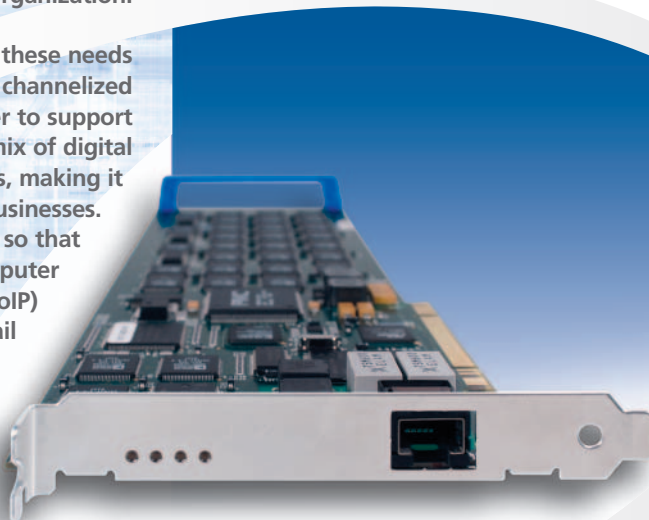
The Diva Server PRI/T1-24 adapter answers all these needs perfectly. This PCI adapter supports ISDN PRI or channelized T1 (Robbed Bit Signaling), enabling one server to support up to 24 concurrent communications with a mix of digital devices, V.90 analog modems and fax machines, making it an excellent choice for medium-sized to large businesses.

It is based on open systems architecture so that industry-leading Fax, 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 Diva Server PRI/T1-24 with new enhancements is easy as free software upgrades are available via the web.

The flexibility of the Diva Server PRI/T1-24 adapter provides network administrators with a simple, cost-effective, and powerful open communications solution.

The Ultimate Fax, Voice and Data Platform for PRI and T1



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/T1-24 adapter.

Scaleable

Multiple Diva Server PRI/T1-24 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

The Diva Server PRI/T1-24 adapter 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 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/T1-24 adapter fully features any CTI server application. A full provision of supplementary services, such as call forwarding and explicit call transfer makes the Diva Server PRI/T1-24 an ideal solution for third party Interactive Voice Response (IVR) and Contact Center applications.

Voice over IP (VoIP)

The Diva Server PRI/T1-24 adapter 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 (GSM codec) in the DSP of the adapter.

Easy to Install

The ease of installation is guaranteed as the Diva Server PRI/T1-24 adapter conforms to Intel and Microsoft Plug and Play standards, eliminating the need to manually configure the server.

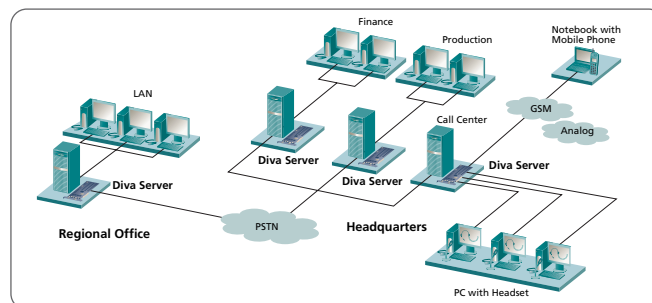
Technical Specifications

Hardware:	<ul style="list-style-type: none"> Active ISDN adapter for Primary Rate Interface (PRI) and T1 interface RJ45 Connector 24 x 33 MHz, 60 MIPS DSP I/O Addresses and Interrupt are placed by the system Power Down Management Scaleable to 8 adapters per system Production Quality: ISO 9002 5 year warranty 	<ul style="list-style-type: none"> Plug and Play Interface Bus type: PCI rev. 2.2 up to 66 MHz (3.3V / 5V universal signaling) 64-bit RISC CPU, 300 MHz, 420 MIPS 32 MB onboard SDRAM Form factor: Full size PCI Physical dimensions: <ul style="list-style-type: none"> 312.00 mm x 106.68 mm 352.17 mm x 126.37 mm (incl. bracket and retainer)
Power Consumption and Environmental	<ul style="list-style-type: none"> Power consumption: 0.92 A @+5 V typ., 2.6 A @+5V max. Operating temperature: 10°C to 50°C Maximum tolerance in power supply variation: -5% to +5% 	<ul style="list-style-type: none"> Operating humidity: 10% to 90% (non-condensing) Storage temperature: 0°C to 70°C
Driver Software	<ul style="list-style-type: none"> Supported operating systems: Microsoft: Windows 2003 Server, 2000, XP, Windows 2003 Server 64-Bit Edition, Windows XP 64-Bit Edition. Linux: Red Hat, SuSE and Debian distributions 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.30, T.90NL, T.70NL, Rate adaptation (56 kbps), up to V.90, V.42, V.42bis, V.110, V.120, PIAFS Application Interfaces: Microsoft: WAN Miniport, COM Port, CAPI 2.0, TAPI, Diva Server API (SDK) Linux: TTY, CAPI 2.0, Diva Server API (SDK) Diagnostic Tools: B-channel and D-channel trace program M-Adapter Feature (patent pending): Combined Virtual Adapter, Internal Call Transfer, Explicit Call Transfer Emulation 	
Fax and Voice features:	<ul style="list-style-type: none"> DTMF transmission, detection and generation Generic Tone detection and generation Cross board switching ISDN 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 <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 Color Fax (JPEG Format) Standard, fine, super-fine and ultra-fine resolution 	<ul style="list-style-type: none"> DTMF Clamping and Filtering Automatic Gain Control (AGC) On-board switching and conferencing VoIP support <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 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 Communicates with analog modems (up to V.90). Up to 56.000 bps with each B-channel

Ordering Information

Product Name	Product Code
Diva Server PRI/T1-24 – North America	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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