



DIVA T/A ISDN Modem

The DIVA T/A ISDN Modem provides advanced plug-and-play cost-effective ISDN communications. This external terminal adapter is the first ever to combine the advanced functionality of Auto-SPID and Auto-Switch detection with AO/DI (Always on Dynamic ISDN) for flexible bandwidth management and advanced voice calling features. The ISDN Modem provides users with an unmatched level of versatility and ease of use in ISDN communications.

With full support for analogue devices including standard phone and fax machines, the DIVA T/A ISDN Modem is designed to consolidate the small office/home (SOHO) environment into a single ISDN line, providing high-performance data transmission and secure access to corporate networks and the Internet. The modem has a throughput of 128 Kbps and up to 512 Kbps with on board compression. phone services supported include Caller ID, call waiting, holding, transfer, 3-way calling and distinctive ringing.

This modem reflects that there is more to remote access than speed. When connecting to the Internet and corporate resources from the home office, users need the flexibility and functionality that will allow them to conduct true multi-tasking. Because of its AO/DI functionality, the DIVA T/A ISDN Modem allows users to receive e-mail, send a fax and conduct a regular phone call - all simultaneously and with the digital clarity that ISDN provides.

Ease of Use

The DIVA T/A ISDN Modem includes Auto-SPID and SPID Wizard features, making ISDN installation as easy as using a traditional analogue modem. Auto-SPID is an industry-wide initiative that automatically "negotiates" a connection to the telecom provider by downloading the SPID numbers from the digital switch. SPID-Wizard automatically runs through all possible SPID numbers to interface with the telecom providers digital switch. Combined, these features provide true plug-and-play ISDN connectivity.

DIVA T/A ISDN Modem also supports Auto-Switch detection which automatically analyses the protocol for each telecom providers digital switch and transparently arranges for the connection back to the modem.

A Complete Remote Access Solution

Delivering on the promise of true plug-and-play functionality, the ISDN Modem comes bundled with all the hardware and software necessary for users to surf the Internet and conduct virtual business meetings online. In addition to providing the required cables to connect the modem to a users computer and ISDN line, the DIVA T/A ISDN Modem also includes Microsofts popular Internet Explorer™ and NetMeeting™ software packages. Internet Explorer, combined with the bandwidth delivered by ISDN, enables users to surf the Internet with increased ease-of-use and superior access time over traditional modems while Microsofts NetMeeting enables business users to conduct virtual meetings from remote locations with the programmes whiteboard sharing and videoconferencing functionality.

Technical Specifications

The DIVA T/A ISDN Modem supports Windows 95, Windows NT, Windows 3.x, OS/2 and DoS operating systems and includes serial and ISDN ports, two analogue ports and 10 LED indicators. The ISDN Modem is compatible with all leading manufacturers of access servers and routers that adhere to such industry standards as Multilink PPP, BACP, Staker-LZS, MPPC, Ascend Compression, PAP, SPAP, MS-CHAP and CHAP support and encrypted authentication including Severe ID.

Hardware Features

- 16 MHz 68M302 processor
- FLASH memory for firmware upgrade
- Serial port for DTE interface
- ISDN Basic Rate Interface Port
- Two analogue ports (POTS)
- 10 LED indicators on front panel
- Country specific Wall-Mount transformer (=12V DC input)
- Hard Reset Switch
- Termination resistance switch (when applicable)

Serial Port

- DB25 connector (RS-232)
- Asynchronous up to 230.4 kbps
- Plug-and-Play detection (Windows®95)

ISDN Port

- S/T or U (integrated NT-1) interface (RJ45)
- Line speeds of 56/64Kbps per B-channel (128Kbps with MLPPP)
- Rate Adaption: V.120, V.110
- Protocol support: PPP, async/sync PPP, Multilink PPP, AO/DI
- Bandwidth Allocation Control Protocol (RFC BACP)
- Bandwidth on Demand (BOD)
- Auto-detection of ISDN switch type
- Auto-SPID support
- PAP, CHAP, MS-CHAP, SPAP authentication
- PPP compression (Hi/fn STAC, Microsoft MPPC, Ascend)
- Data over “voice” or speech bearer channel

Analogue Support

- Two RJ11 Ports
- 1 analogue call per B-channel
- Call bumping
- Caller ID support*
- Call waiting, holding, transfer*
- 3-way conference call*
- Distinctive ringing
- μ -law and a-law encoding
- internal ring generation
- DTMF and pulse dialing
- Power-down mode when no call activity

LED Indicators

- Power status
- Fault (hardware or software)
- ISDN (B1, B2, D-channel)
- Analogue (POTS 1 and 2)
- Serial (Tx/Rx, DTE)

Environmental Requirements

- Operating Temperature: 0°C to 40°C
- Operating humidity: 0 to 90% (non-condensing)
- Barometric operating pressure: 86 to 106 kPascals
- Maximum tolerance in power supply variation: +5% to -5%

Maximum Power Requirements

- 500 mA at +12 Volts

Ordering Information

Product	Code
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DINA T/A ISDN Modem	MZ310234
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