

# Omni TA128

High speed Internet and Intranet access through the power of ISDN has never been so simple, so complete and so cost-effective.



## Applications for the Home and Office

- Internet Access
- Corporate Intranet Access
- Telecommuting
- LAN to LAN Connectivity
- On-line Banking
- Multiprotocol LAN Access
- Electronic Commerce
- Digital Imaging

## Blazing ISDN Speeds

Connect to the on-line world at 128Kbps - four times faster than a 28.8Kbps modem. Cruising the Internet, downloading high volume data files, and LAN access from a remote site has never been faster or easier. And just in case 128Kbps is not fast enough, the Omni TA128 supports Hi/fn™ LZS® (Stac®) and V.42bis compression for throughput speeds of up to 460.8Kbps.

## Universal Compatibility

PPP Multilink Protocol connects you with remote access servers at speeds up to 128Kbps, and can operate as a client or a server device. Bandwidth-on-Demand automatically adds and removes the second B channel based on data traffic. Additionally, Async to Sync conversion provides interoperability with router-based Internet services providers. The Omni TA128 is compatible with all popular operating environments including Windows™ 95, Windows NT™, OS/2®, DOS®, Macintosh®, UNIX®, Novell®, Amiga® and any computer with a standard serial port.

## Hands-Free Adaptability and Ease

ZyXEL's Multi-Auto feature automatically detects and accepts incoming data for PPP, V.120, X.75 and V.110, freeing the user from manual protocol configuration. The Multi-Auto feature also recognizes incoming data as either analog or digital.

## Make the ISDN Connection

The Omni TA128 Computer Terminal Adapter is available with ISDN S/T or U interface. The S/T Interface model works with an external NT-1 (Network Termination) device and is ideal if you already use other ISDN equipment. The U Interface model saves money and desk space by eliminating the need for an external NT-1 device (North America only).

## 128Kbps ISDN Computer Terminal Adapter

### Dual Action Performance

Dual analog and serial DTE ports allow the Omni TA128 to operate in either of two modes. In the default configuration, one DTE port and two analog ports allow the use of two external analog devices such as fax machines and analog modems. The second configuration provides two DTE ports and one analog port. In this mode two users can simultaneously access the Internet, each at 64Kbps, from a single ISDN data connection.

### Your Data is Safe

When security is a concern, rest assured that the Omni TA128 Computer Terminal Adapter is working for your peace of mind. With built-in password checking for up to 40 users, and three security levels, data safety is one less thing to worry about.

### Hassle-free Troubleshooting

The Omni TA128's Embedded Protocol Analyzer is the perfect diagnostic tool for troubleshooting remote access connections. The data captured by the EPA is displayed in easy-to-read color text with any ANSI terminal program. Traveling to troubled remote sites may become a thing of the past.

### Upgrades In A Flash

No need to replace equipment to keep up with today's rapidly advancing communications technology. The Omni TA128's Flash EPROM feature lets you download the latest features and firmware upgrades from ZyXEL's BBS, FTP and World Wide Web sites free of charge.

# ZyXEL

ACCESSING INTERNET INTRANET

# Omni TA128

## Features and Benefits Designed for Your Home and Office



### Protocols and Compression

- PPP Multilink Protocol in both client and server modes for compatibility with ISDN devices from other manufacturers at speeds of up to 128Kbps
- Bandwidth-on-Demand optimizes bandwidth usage
- Multi-Auto feature automatically identifies data type and protocol for PPP, V.110, V.120, and X.75
- Async to Sync PPP conversion
- Rate Adaption: V.120, V.110 and X.75 SLP
- X.75 MLP and CCB European Bundling Protocols
- V.42bis Data Compression over ISDN using V.120 or X.75
- Hi/fn™ LZS® (Stac®) Data Compression over PPP



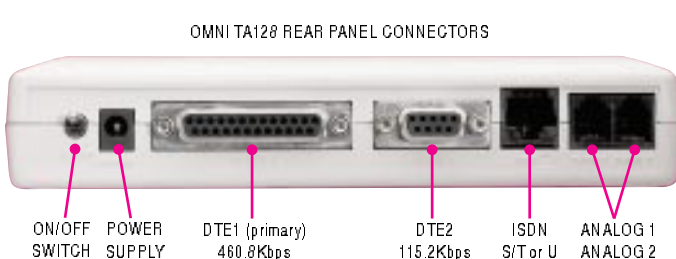
### Integrated ISDN BRI

- ISDN BRI - provides two 64Kbps B Channels
- Bundle B Channels for speeds up to 128Kbps
- Standard ISDN S/T or U Interface



### ISDN Network Compatibility

- North America\*: Northern Telecom DMS-100, AT&T 5ESS, Siemens EWSD, and National ISDN-1
- IOC "S" and EZ-ISDN 1 capability for North America
- Europe\*: ITR6 and DSS1
- Asia\*: Taiwan DGT and INS-NET64



### Analog Operability

- Two Analog Ports for connecting two external analog devices such as modems and fax machines
- Automatic digital/analog data detection
- Call Bumping automatically allocates bandwidth to the analog ports as needed



### Management Control and Security

- Three security-level configurations
- Password Protection for up to 40 users
- Embedded Protocol Analyzer with color ANSI display
- Diagnostics: self-test and loopback
- ISDN AT Commands and CAPI 1.1a
- Front panel switch for quick connect and tear-down
- 13 LED Indicators for detailed status monitoring
- Flash EPROM for easy firmware upgrades



### Physical Interfaces

- RJ-45 ISDN S/T or U Interface
- RJ-11 Primary Analog Port
- RJ-11 Second Analog Port  
(second analog port is enabled when second DTE port is disabled)
- DB-25 High-speed 460.8Kbps RS-232 Serial DTE Port for primary computer.
- DB-9 secondary computer DTE Port  
(second computer DTE port is enabled when second analog port is disabled)



### Backed by ZyXEL - The Communications Experts

- Two Year Warranty on parts and labor
- Knowledgeable Technical Support Staff
- 24-hour BBS Technical Support line and Web Site



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## ACCESSING INTERNET & INTRANET

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MODEL	DESCRIPTION
Omni TA128	ISDN S/T Interface <i>(requires external NT-1)</i>
Omni TA128U	ISDN U Interface <i>(no external NT-1 required)</i>
Weight: 369 grams; Dimensions(cm): L-13.1 x W-17.9 x H-3.8	

\* Prior to purchase, please contact your local dealer/distributor for the correct version to ensure compatibility with the ISDN switches in your area. U.S. FCC, Canadian IC, and European CE Approved. Specifications are subject to change without notice. All trademarks are the property of their respective owners. TA128 1298-B