omni.net LCD series

The ZyXEL omni.net LCD series are high-performance ISDN terminal adapters for home computer users, small to medium business users and corporate telecommuters. For added compatibility, the omni.net LCD+M features a built-in 56K modem, and the omni.net LCD Plus supports USB interface.

The First ISDN TA equipped with a LCD display

The ZyXEL omni.net LCD series are full function ISDN Terminal Adapters equipped with LCD display, two POTS ports, and a suite of useful software. The LCD display and menu control keys are designed for displaying real-time ISDN information such as Caller ID, charge information, and moreover, can be used to monitor call history.

Built-in 56K modem for maximum operability

With an integrated 56K modem, the omni.net LCD+M can communicate with other analog devices via an ISDN line. What's more, users can also send and receive faxes using popular fax packages such as™ Winfax or Microsoft Fax. Analog technology is achieving higher connection speeds than ever before with this built-in 56K modem.

Full support of supplementary service

The omni.net LCD series supports the most complete set of supplementary phone features (offered optionally by local ISDN providers), including Call Waiting, Call Hold/Retrieve, Three Way Conference, Multiple Subscriber Number(MSN), Advice of Charge(AOC), Calling Line Identification Presentation/Restriction (CLIP/CLIR), Terminal Portability, Call Forwarding and Call transfer.

Caller ID Support and Feature Phone Functions

The Caller ID feature can be accessed and read on the built-in LCD display, or on an external device that incorporates a caller ID readout.
For users who do not have access to supplementary voice features from their phone company, the omni.net LCD series provides special analog port features which emulate them by creating intercom, call waiting, three way conference, global reception, incoming/outgoing call history, speed dial and last number redial features internally. These functions can be used free of charge.

Ease of installation, ease of use

It is simple to install omni.net LCD series model by using ZyXEL ISDN Configuration Manager(ICM), which supports PC and Macintosh. ICMguides users safely through configuration without requiring an in-depth knowledge of networks.
The omni.net LCD series includes all data and voice features provided by other omni.net products including PPP Multilink Protocol, Bandwidth-On-Demand, Call Bumping and complete protocol support.

Internet access support

The omni.net LCD series provides unprecedented speed in accessing the Internet. Unique features include a speedy 460.8Kbps serial DTE port and Hi/fn LZS (Stac) data compression. Together they provide high-speed web browsing and fast downloading of multimedia files such as high-quality audio, video and graphics.
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ZyXEL

TOTAL INTERNET ACCESS SOLUTION

omni.net LCD series

KEY FEATURES

- LCD Display
- Integrated 56K modem and 14.4K G3 Fax
- Fully Support of Supplementary Service
- Two Analog Ports with Caller ID Support
- PPP/MP, X.75, V.110 & V.120 B-channel Protocols
- Dynamic B-channel Allocation with BAP/BACP
- ISDN Configuration Manager for PC and Macintosh

LCD Features
- Date & Time
- Caller ID Display
- Incoming/Outgoing Call History Display
- Charge Information Display
- Stored Number Display

Modem/Fax operation (omni.net LCD+M)
- Modem Transfer Rate: 56K and V.34 backward compatibility
- Error Control & Data Compression: V.42 / V.42bis
- Fax Transfer Rate: 14.4K/9.6K G3 Fax

Analog Port Functions
- Two Analog Ports for connecting Fax machines and Phones
- Incoming and Outgoing for PPP Call Bumping
- Caller ID Support

ISDN Network Compatibility
- Standard BRI S/T or U Interface
- DSS1, 1TR6, AT&T 5ESS, Northern Telecom DMS-100, Siemens EWSD

Protocol Support and Compression
- Multi-Auto Protocol detection for both dial-in and dial-out
- ISDN B-channel protocols: PPP, X.75, V.110 & V.120
- Multilink PPP with speeds up to 128Kbps
- MLP Bundling: V.120 MLP, and X.75 MLP
- PAP and CHAP provide authentication and security
- BAP/BACP provides dynamic B-channel allocation
- V.42bis data compression with X.75 and V.120
- Incorporates Hi/fn™ LZS®(Stac®) Compression with PPP
- Call Bumping
- Bandwidth-on-Demand(BOD)

Supplementary Services (where available)
- Call Waiting
- Call Hold/Retrieve
- Three Way Conference
- Multiple Subscriber Number (MSN)
- Advice of Charge(AOC)
- Calling Line Identification (CLID)
- Calling Line Identification Presentation/Restriction(CLIP/CLIR)
- Terminal Portability
- Call Transfer
- Call Forwarding

Application and Configuration Control
- Easy to use configuration software for PC and MAC
- Flash EPROM for easy firmware upgrades
- Plug and Play Support
- Diagnostic: self-test and loopback
- ZyXEL Multiple Stream Protocol and CAPI 1.1a and 2.0
- 8 LED Indications for Detailed Status Monitoring
- LCD display and menu control keys
- ISDN Configuration Manager(ICM) for PC and Macintosh

Physical Characteristics
- RJ-45 ISDN Basic Rate Interface
- Two RJ-11 Analog Device Ports
- DB-25 High speed 460.8Kbps Computer Serial DTE Port
- USB interface (omni.ent LCD Plus)
- Dimensions (inches): L - 5 3/4 ; W - 7 1/2; H - 14/5
- omni.net LCD Weight: 456g; omni.net LCD+M Weight: 511g omni.net LCD Plus Weight: 480g

Warranty
- Two Year Parts and Labor Warranty
- Knowledgeable Technical Support Team
- Worldwide Reputation for Quality and Durability
- On-Line Documentation and Support Notes

Specification for omni.net LCD series models

Feature	omni.net LCD	omni.net LCD Plus	omni.net LCD+M
LCD Display	Yes	Yes	Yes
56K modem	No	No	Yes
Supplementary Service	Yes	Yes	Yes
Caller ID support	Yes	Yes	Yes
Feature Phone	Yes	Yes	Yes
Maximum Throughput	460.8Kbps	12Mbps	460.8Kbps
Synchromous mode	Yes	Yes	Yes
USB Port	No	Yes	No
Serial DTE Port	Yes	Yes	Yes