

Omni 56K series

Accelerate your world with blazingly fast Internet access and V.90 capability



ZyXEL's Omni 56K series is the ideal solution for dial-up Internet access. The Omni 56K series supports ITU V.90 protocol with the highest speed of 56Kbps and complies with most international standards. With up to 56Kbps data and 14.4Kbps fax speed, this modem is compatible with all existing modem and fax standards. Installation and configuration of the Omni 56K series is fast and intuitive. Internet access with minimum configuration has never been easier. Flash EPROM provides easy access to new features, and also easily updates new firmware.



Features

- ITU V.90 56K down-stream data transmission
- V.34 33.6K data transmission rate
- Compatible with both RS-232 serial and USB* connectors (*Omni 56K Plus*)
- Automatic speed fall-back / fall-forward with fast retrain negotiation
- Automatic Data / Fax call detection
- Voice digitization and compression
- Error correction & data compression
- Microsoft Windows 95 / 98 / NT plug and play compatible
- Distinctive Ring Detection
- Caller ID**
- Flash EPROM upgradeable

*USB hot plug and play for easy installation in Windows 98 / Windows 2000 environment.

**Where available, service from phone company required.

ZyXEL

TOTAL INTERNET ACCESS SOLUTION

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Specifications

Specifications for Omni 56K series

- **Omni 56K Plus:** RS-232 & USB interface
- **Omni 56K:** RS-232 interface

Technical Specifications

- Operation Modes: Auto-dial/Auto Answer, Originate/Answer
- Command Set: Full AT command set, Extended AT command set
- Dialing Type: Tone/Pulse dialing
- Flow Control: Software XON/XOFF, Hardware RTS/CTS
- Configuration Settings: Software programmable (with non-volatile memory storage, 2 user profiles)
- Asynchronous Data Rate: 300 to 460.8Kbps (Autoband)
- Line Types: 2-wire dial-up line
- Diagnostics: Digital Loopback, Line Condition Reporting
- LED Status Indicator:
 - Omni 56K Plus: USB, OH, DATA, MR
 - Omni 56K: V90, OH, DATA, MR

USB

- Complies with USB 1.0 specification at 12Mbps full speed

Standards and Protocols supported

- Error Control: V.42/MNP 3-4
- Data Compression: V.42bis/MNP 5

Data Compatibility

- V.90 56K down-stream data transmission
- Modulation mode: V.90, V.34, V.32bis, V.32, V.23, V.22bis, V.22, V.21, Bell 212A, Bell 103
- On-line line condition monitoring
- Serial DTE speed up to 460.8 Kbps

Fax Compatibility

- G3 Fax send/receive
- V.17 (7.2Kbps to 14.4Kbps)
- V.29 (7.2Kbps to 9.6Kbps)
- V.27ter (2.4Kbps to 4.8Kbps)
- EIA Fax Class 1 and Class 2.0 command set

Voice Compatibility

- 9.6Kbps sampling rate
- Voice Recording on line
- Hand set record and play (*Omni 56K Plus*)
- DTMF tone generation and detection
- IS-101 command set

Physical Interface

- One RJ-11 interface for phone connection
- One RJ-11 interface for line connection
- One RS-232 interface for DTE connection
- One USB interface for PC connection (*Omni 56K Plus*)
- Power Requirements: 9V AC
- Dimensions: 16.7 (W) x 8.9 (L) x 3.3 (H) cm
- Weight: 215 g

Operating Requirements

- Temperature: 0 °C to 40 °C
- Humidity: 5 to 90 %

Lifetime Limited Warranty: 2 years