

# U-90E

## ZyXEL 56K Data/FAX Modem

If you want to buy a professional V.90 Data/FAX Modem, then choose the U-90E. This modem provides reliable transmission quality to ensure on line data transfer for corporate subscriber leased lines.

The U-90E supports ITU V.90 protocol with the highest speed of 56Kbps and supports most international standards.

With up to 33.6Kbps synchronous data speed, the modem can be used in any corporates' mission critical data transfer.

With up to 56K data and 14.4Kbps fax speed, this modem is compatible with all existing modem and fax standards.

The U-90E uses ZyXEL unique fall-back and fall-forward technology assuring that you will always connect at the highest speed.

Flash EPROM provides easy access to new features, and also easily updates new firmware.

## Specifications

### Features

- ITU V.90 56K down-stream data transmission
- Up to 33.6Kbps for synchronous transmission
- G3 14.4Kbps Fax send/receive
- Fast retrain with auto fall-forward and fall-back
- Support 2-wire leased line and dial up line
- Caller ID display
- Error correction & data compression
- Operates in DOS, Windows 95/98/NT, Macintosh OS/2, UNIX, Novell, Amiga, and IBM AS400/AS6000 and other OS environments
- Microsoft Windows 95/98/NT plug and play compatible
- Flash EPROM upgradable

### Technical Specifications

- Operation Modes: Auto-dial/Auto Answer, Originate/Answer
- Dialing Type: Tone/Pulse dialing
- Asynchronous Data Rate: 300Kbps to 460.8Kbps(Autobaud)
- Synchronous Data Rate: 1.2Kbps to 33.6Kbps
- Flow Control: Software XON/XOFF, Hardware RTS/CTS
- Configuration Settings: Software programmable (with non-volatile memory storage, 4 user profiles)
- Extended Command Set: Full AT command set, Extended AT command set, V.25bis command set
- Diagnostics: Digital Loopback, Line Condition Reporting, Read/Write Remote Configuration
- LED Status Indicator: HS,AA, CD, OH, DTR, DSR, CTS, RTS, TXD, RXD,SQ,TST

### Cost-Saving Speed and Connectivity

- Serial DTE speed up to 460.8 Kbps
- Unix, mainframe, and other synchronous Mode DTE compatible
- Error Control: V.42/MNP 3-4
- Data Compression: V.42bis/MNPS

### Data Compatibility

- V.90 56K down-stream data transmission
- Modulation mode: V.90, V.34bis, V.34, V.32bis, V.32, V.23, V.22bis, V.22, V.21, Bell 212A, Bell 103
- Data Mode: Asynchronous and synchronous communication
- Dial-up and 2-wired operation
- On-line line condition monitoring
- DTMF tone generation and detection

### 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

### Physical Interface

- One RJ-11 for phone connection
- One RJ-11 for line connection
- One RS-232 for DTE connection
- Power Requirements: 20V AC

### Operating Requirements

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

### Lifetime Limited Warranty

- 2 years

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**ZyXEL**  
TOTAL INTERNET ACCESS SOLUTION

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