Elite 2864

The ZyXEL Elite 2864 universal modem, with its flexible hardware architecture, provides an extensive array of modem/fax/voice functions. Plus, it provides easy upgradability to ISDN!

International Compatibility
ZyXEL modems are famous for their ability to maintain high quality connections and high speeds especially during adverse line conditions.

The ZyXEL Elite 2864 conforms to ITU-T standards including the V.34 protocol. It automatically falls back to lower speeds when communicating with slower modems or when line conditions degrade. And it maintains compatibility to ZyXEL proprietary 19.2Kbps and 16.8Kbps speeds.

ISDN Upgradable
With an optional ISDN line interface module, the ZyXEL Elite 2864 can be upgraded to a ISDN device. Users have two B Channels that can be used for simultaneous communication. For example, one B Channel, using ISDN, can transmit information at 64Kbps while the other B Channel is transmitting analog data* at up to 28.8Kbps. (*using an external analog device)

The Elite Series ISDN modems allow the two 64Kbps B Channels to be combined for speeds up to 128Kbps. ZyXEL is the first manufacturer to implement V.42bis data compression over ISDN, enabling the modems to achieve even higher speeds for greater performance. (Elite 2864 requires optional ISDN line module)

Universal DTE Interface
Complete with both Serial/Parallel ports, the Elite Series integrates DTE serial interface speeds up to 460.8Kbps. The parallel port connects to a standard bi-directional PC parallel port for maximum speed data transfers. Users may also print incoming faxes by connecting the parallel port directly to a PCL or Postscript compatible printer.

Versatile Fax Capability
In addition to auto data/fax detection and EIA Class 1, 2, and 2.0 capabilities, the ZyXEL Elite 2864 provides a series of unique fax functions. For example, its parallel port can connect to and directly drive PCL and Postscript compatible printers, converting a laser printer into a plain paper fax machine. With an optional 8MB DRAM module for storing received faxes, the ZyXEL Elite 2864 also performs overnight standalone fax receiving.

More Voice Functions
Besides the voice commands, compression schemes, and DTMF tone detection available from ZyXEL, the Elite 2864 provides convenient and versatile voice message input/output means like microphone and speaker jacks. A regular telephone set can also be plugged into the modem's phone jack for voice message recording or playback.

Computer Telephony
The ZyXEL Elite 2864 can detect when the attached telephone is on-hook and off-hook, when the connected computer dials, and when the telephone hangs up. The ZyXEL Elite 2864 provides the hardware capability to enable computer telephony software and take advantage of its many applications.

ZyXEL
ACCESSING INTERNET AND INTRANET

Elite 2864

Unsurpassed Performance

- Ultra high-speed modem - up to 28.8Kbps
- Upgradable to ISDN
- Extended AT command set and V.25bis
- Operates in DOS, Windows[tm] 95 / NT[tm], OS/2®, Macintosh®, UNIX®, Novell®, Amiga® and IBM® AS400/RS6000 environments
- Fast and robust ZyCellular protocol for demanding cellular operations
- 4 wire leased line upgradable

Intelligent Features

- Parallel port for direct fax printing on PCL and Postscript compatible printers
- Automatic data/fax/voice call detection
- Asynchronous/synchronous modes
- Fast retrain with auto fall-forward and fall-back
- Versatile computer telephony
- Call-back security with password protection
- Caller ID with distinctive ring
- Remote configuration capability
- Data and fax transmissions over cellular networks
- ADPCM voice digitization with speech compression
- EDR (Extended Distinctive Ring)
- Microphone/speaker jacks
- Flash EPROM memory for easy firmware upgrades
- Optional 8MB DRAM for standalone fax receive/storage

Cost-Saving Speed and Connectability

- Data Rates: 28,800/26,400/24,000/21,600/19,200/16,800/14,400/ 12,000/9,600/7,200/4,800/2,400/1,200/300bps
- ITU-T Standards: V.34, V.32bis, V.32, V.23, V.22bis, V.22 and V.21
- Bell Standards: 212A and 103
- DTE serial interface to 460.8Kbps
- MNP 4/3 and V.42 error correction
- MNP 5 and V.42bis data compression

Operating mode	Speed(bps)
ISDN bundle B channels*	128,000/112,000
ISDN B channel*	64,000/56,000
V.34	28,800~2,400
ZyXEL 19.2Kbps	19,200/16,800/14,400/12,000/9,600/7,200
ZyXEL 16.8Kbps	16,800
V.32bis	14,400/12,000/9,600/7,200
V.32	9,600/4,800
V.26bis	2,400 half duplex
V.22bis	2,400
V.22/Bell 212A	1,200
V.23	1,200/75
V.21/Bell 103	300
G3 FAX	14,400/12,000/9,600/7,200/4,800/2,400

* With optional ISDN line module, (Standard with Elite 2864I)

Technical Specifications

- Operating mode: auto-dial/answer or manual originate/answer
- Flow control: software XON/XOFF or hardware CTS/RTS
- Two toggle switches Data/Voice and Originate/Answer with LED
- 21 LED indicators to show modem status
- Configuration settings: software programmable, with nonvolatile memory for profile storage
- Diagnostics: self test, analog loopback (with self test), digital loopback, and remote digital loopback (with self test)
- Dialing Type: Tone/Pulse dialing
- Line interface: RJ-11 2-wire dial-up or leased lines
- Call-progress monitoring: dial tone, busy, and ring back detection
- Audio Monitor: Programmable volume control

Fax Compatibility

- EIA Class 1, 2 and 2.0 Fax commands
- ITU-T V.17 G3: up to 14,400bps
- ITU-T V.29 G3: up to 9,600bps
- ITU-T V.27ter G3: up to 4,800bps
- ZyXEL Fax AT commands
- ZFAX Data/Fax/Voice software

Backed by ZyXEL - Communication Experts

- Two-year warranty on parts and labor
- Knowledgeable technical support
- 24-hour BBS technical support line

Model	Description
Elite 2864	LED, 2 wire dial-up/leased line
Elite 2864L	LED, 2 wire dial up, 2/4 wire leased line
Elite 2864I	LED, ISDN (S/T interface)
Elite 2864IU	LED, ISDN (U interface)
Weight	1lb-10oz
Dimensions	L-9" x W-7$_{1/4}$" x H-1$_{7/8}$"
PC and MAC versions available	

US FCC and Canadian IC approved. Specifications are subject to change without notice.
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August 1995
Elite 2864I

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