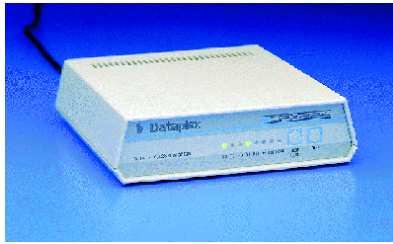


## The DPX-234/334 (AccessPro34/E)

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### Professional V.34 Modem with DES and Ethernet Connection Options



**W**hen performance and security are paramount, one modem offers you all the advantages of the latest in high-speed communications technology - the Accesspro34. The Accesspro34 is ideal for applications where fast, reliable and secure data transfer is required. Top performance is guaranteed with advanced DSP and improved data compression techniques, even over poor lines. The optional DES encryption module coupled with integrated dial-back security and password authentication ensures your system is always protected from unauthorised access, eavesdropping, malicious damage or accidental reconfiguration.

**W**hen you require access to your LAN over the dial-up network, the AccessPro34E is the ideal product. It comes equipped with a built-in Ethernet LAN port. This feature coupled with the modem's high-performance capability represents a comprehensive solution to all of your LAN access needs. Just plug an AccessPro34E modem into your Ethernet LAN and users can immediately dial into the LAN and access their LAN-based applications and services. The Accesspro34E supports PPP (Point to Point Protocol) and you can use standard PPP dial-in client software packages on a remote PC or laptop, and even Apple machines. The accessPro34E also supports dial-up multi-user LAN to LAN as well as single user Client to LAN connections

## FEATURES

- Desktop and High Density Rackmount versions (Access Point)
- DES encryption option (DSD approved)
- Password protected access and security call-back
- All new design architecture with 16 bit processor
- Flash upgradeable memory
- Comprehensive diagnostics feature (records information on previous 2,000 calls)
- Ethernet Adaptor option for direct network connection
  - Ethernet UTP LAN Port PPP (RFC-1661 Point to Point Protocol)
  - LAN Protocols Supports TCP/IP & IPX
  - Client to LAN Dial LAN Access
  - LAN to LAN Dial LAN access
- Remote Management option permits control from host site
- Data: 33,600 and all lower speeds
- Fax: 14,400, 12,000, 9,600, 7,200, 4,800, 2,400bps. Gr III TR-29 Class 2 send and receive
- V.42 (MNP 4 and LAP-M) error correction
- V. 42bis and MNP 5 data compression
- Automatic line speed fallback, fall forward and retrain
- V.34bis, V.34, V.Fast Class, ITU-T V.32bis, V.32, V.22bis, V.22, V.21, V.23, V.17, V.29, V.27
- 300 to 115,200bps Constant Speed Interface
- V.54 local and remote loops
- V.25bis, AT, front panel and DTR dialling
- Sync and async operation
- Dial and leased line support
- Non-volatile configuration and phone number storage
- Auto dial, answer, tone/pulse detection
- Remote configuration and diagnostic capability
- Internal power supply with on-off switch and power saving feature
- Austel and DSD approved
- Designed and built by Dataplex in Australia

The Accesspro34 is a full-featured modem designed to meet the critical demands of commercial and professional applications. The modem provides high throughput on dial or leased lines - up to 115,200bps, together with V.42bis/ MNP 5 data compression, V.42 error correction, system security and full fax capability. The AccessPro34E has been developed to provide a simple cost effective solution to your Remote LAN Access needs. The AccessPro34E has been designed to meet the critical demands of commercial and professional applications. The AccessPro34E provides reliable high throughput LAN access capability with the ease of use of a conventional modem.

### **DES Encryption Option**

With DES, connections may be secured by using Fixed Key or Random Session Keys. This ensures that any data passed between the modems cannot be interpreted by other individuals. An optional RSA session key system is available if higher levels of public key security are required.

### **Client to LAN Ethernet Network Option**

The AccessPro34E connects directly to your Ethernet UTP LAN to instantly provide Remote LAN access capability with the minimum of fuss. Configuration is achieved through the use of the Serial DTE port on the standalone desktop model or via the AccessPoint-Manager with the High Density Rackmount version. The AccessPro34E supports the common PPP (Point to Point Protocol) for connections to industry standard PPP Client Software packages, for example, Windows 95 and Trumpet Winsock. The TCP/IP and IPX LAN protocols are also supported, which allows you to access your Novell Netware File Server and Unix LAN-based applications.

### **LAN to LAN Ethernet Network Option**

By connecting an AccessPro34E to your Remote LAN (as well as your Central Site LAN) you can provide a facility for automatic LAN-to-LAN dial-up connections. The connections can be established and terminated automatically without any user intervention. As well as connecting to another AccesPro34E, the AccessPro34E can connect to your existing PPP LAN Access Servers.

### **Top Performance over Poor Lines**

Advanced Digital Signal Processing, on-line rate renegotiation and adaptive equalisation ensures that the Accesspro34 delivers accurate data over the widest range of phone lines.

## **High Throughput**

Selective block retransmission, V.42bis and MNP 5 ensure the highest possible throughput and economy for all users on all lines. The Accesspro34 is ideal for high volume traffic on expensive long-distance lines or any application where fast, low-cost error free data transfer is required. Incompressible files can be sent error free at 33,600bps-even with DES encryption enabled.

## **Protect Your System**

Password verification and same line callback help protect your system from unauthorised access. Once configured, the Accesspro34 cannot be maliciously or inadvertently reconfigured by any interface or line commands. Auto-logon allows users to bypass the normal password entry sequence - the modems transparently exchange a password before going on-line. Top security is achieved by enabling DES encryption.

## **LAN Access AccessPro34E Security Options**

To ensure the security of your network is not violated, the AccessPro34E supports user authentication based on the tried and proven AccessPoint-Security system. User ID/Password, Challenge/Response and PAP (PPP Password Authentication Protocol) are supported.

## **Extensive Diagnostics**

Diagnostics include LEDs for on line activity display, a speaker for call progress monitoring, local and remote loop-backs controlled from the front panel switch, AT commands or V.54 signals, plus inbuilt test pattern generation and checking.

## **Network Management**

The stand-alone and the rack mount versions are available with the optional Dataplex Network Management System (AccessPoint-Manager) for centralised control and re-configuration.

## **Performance and Reliability**

Manufactured under an ISO-9001/AS-3901 quality control system, the Accesspro34 offers an advanced design with minimum parts count for maximum reliability. It has an internal power supply and is housed in a durable plastic case.

Data:	<ul style="list-style-type: none"> <li>• 33600bps V.34bis, 31200bps V.34bis</li> <li>• 28800bps V.34, 26400bps V.34</li> <li>• 24000bps V.34, 21600bps V.34</li> <li>• 19200bps V.34, 16800bps V.34</li> <li>• 14400bps V.34, 12000bps V.34</li> <li>• 9600bps V.34, 7200bps V.34</li> <li>• 4800bps V.34, 2400bps V.34</li> <li>• 28800bps VFC, 26400bps VFC</li> <li>• 24000bps VFC, 21600bps VFC</li> <li>• 19200bps VFC, 16800bps VFC</li> <li>• 14400bps V.32bis, 12000bps V.32bis</li> <li>• 9600bps V.32, 7200 V.32</li> <li>• 2400bps V.22bis, 1200 V.22</li> <li>• 1200/75bps V.23, 300bps V.21</li> </ul>
Fax:	<ul style="list-style-type: none"> <li>• 14400bps V.17, 12000 V.17</li> <li>• 9600bps V.29, V.17, 7200 V.29, V.17</li> <li>• 4800bps V.27ter, 2400 V.27ter</li> </ul>
Data format:	<ul style="list-style-type: none"> <li>• Asynchronous 10-bit character format including parity and stop bits at all rates.</li> <li>• Synchronous, serial binary, protocol independent from 1200bps to 28,800bps.</li> </ul>
Operation:	<ul style="list-style-type: none"> <li>• Full duplex over 2 wire dial and leased lines. Automatic or manual originate or answer.</li> <li>• 4 wire leased line (optional).</li> </ul>
Data Compression:	V.42bis with 2K dictionary, up to 400% compression. MNP5 with selective block retransmission up to 200%.
Error Correction:	V.42, LAP-M and MNP4.
Constant Speed Interface:	<ul style="list-style-type: none"> <li>• Autorate at 300, 1200, 2400, 4800, 9600, 19200, 38400, 57600 bps and 115200.</li> <li>• RTS/CTS or XON/XOFF flow control.</li> </ul>
Non-Volatile Storage:	360 characters in 10 locations allows up to 20 phone numbers and 20 passwords.
DTE Interface:	ITU-T V.24 / V.28 / X.21bis, RS-232-C via 25 pin DB-25S [female] socket.
Line Interface:	Modular RJ-11 sockets. Handset isolated when on-line. Anti-tinkle for New Zealand.
Ethernet Interface:	Modular RJ-45 UTP connector socket
Transmit Level:	-10 to -23dBm [-13dBm N.Z.]
Transmit Clocking:	Internal, external, loop or tail
Guard Tone:	Selectable - none, 500 or 1800 Hz
Ring Detection:	Level 50 to 150 VAC RMS, 17-68Hz
Receiver Dynamic Range:	-6dBm to -45dBm.
Equalization:	Auto Adaptive Equalizer.
Carrier Detect Threshold:	ON above -43dBm, OFF below -45dBm.

Hysteresis:	2dB
Answer Tone:	ITU-T mode - 2100Hz.
Power:	240 VAC, 50-60Hz, 7 watts.
Dimensions:	200[w] x 215[d] x 60[h]mm
Weight:	1.037Kg
Environment:	-0 to 70+ C, 95% humidity non-condensing.
Options:	The Dataplex Network Management System (AccessPoint-Manager) for centralised control and reconfiguration; DES encryption; RSA Session Key; Ethernet Adaptor Interface; Remote Management and 12-60VDC.
Austel:	Yes
Warranty:	12 months warranty

ORDERING INFORMATION	
DPX-234-01	V.34bis 33,600bps Desktop AccessPro34 Modem with DES
DPX-334-01	V.34bis 33,600bps Rackmount AccessPro34 Modem with DES
DPX-234-02	V.34bis, 33,600bps Desktop Modem with Ethernet and DES Options
DPX-334-02	V.34bis, 33,600bps Rackmount Modem with Ethernet and DES Options
DPX-234-03*	V.34bis, 33,600bps Desktop Modem with 4 wire leased line*
DPX-334-03*	V.34bis, 33,600bps Rackmount Modem with 4 wire leased line*
DPX-234-04*	V.34bis, 33,600bps Desktop Modem with 4 wire leased line, Ethernet and DES Options*
DPX-334-04*	V.34bis, 33,600bps Rackmount Modem with 4 wire leased line, Ethernet and DES Options*
DPX-234-71*	V.34bis, 33,600bps Desktop AccessPro34 with DES Option*
DPX-334-71*	V.34bis, 33,600bps Rackmount AccessPro34 with DES Option*
ACCESSORIES	
023-0008-01	RS-232 data cable 1m.
023-0091-2	RJ-11 to telco 610 socket.
023-0049-2	Replacement Line cord.