Linnet

V21/V23 INTELLIGENT DATA MODEM

* V21 (300/300 BAUD) OPERATION
* V23 (1200/75 - 75/1200 BAUD) OPERATION
* INTELLIGENT MICRO PROCESSOR CONTROLLED
* HAYES COMPATIBLE
* AUTO DIAL
* AUTO ANSWER (V25)
* AUTO RE DIAL
* BAUD RATE SCANNING
* AUTO TERMINAL BAUD RATE SENSING
* 32 ENTRY NUMBER STORE
* BATTERY BACK UP
* THREE BUILT-IN HELP PAGES

* INTERNAL LOUD SPEAKER
* CALL PROGRESS MONITORING
* SPEED BUFFERING FROM TERMINAL SPEED OF 1200/1200 TO LINE SPEED OF 1200/75 BAUD
* SIX LED STATUS LIGHTS
* THREE LEVELS OF USER DEFINED MODEM PARAMETER CONFIGURATION
* REAR PANEL TELEPHONE SOCKET
* BELL TINKLE SUPPRESSION
* EXTERNAL PLUG MOUNTED POWER SUPPLY UNIT
* BABT APPROVED

PACE

BRINGING TOMORROW A LITTLE CLOSER....!

Linnet is a feature packed modem suitable for use in almost every environment including business, education and home use. It has been specifically designed to offer the maximum features yet with the emphasis firmly on ease of use. It includes features such as call progress monitoring and battery back up which are charged for as an extra on some modems, and other features such as speed buffering, and auto baud rate sensing etc. mean that the modem does the thinking for you.

Linnet is an advanced, intelligent modem which is suitable for use on any computer with an RS232 serial interface. No special software is required to operate the modem because it uses a set of commands known as 'AT' commands to control the facilities such as Auto Answering and Auto Dialling. These 'AT' commands are passed to the modem via the RS232 interface in the same manner as data which means that Linnet will operate with virtually any terminal software available.

Linnet provides both V21 and V23 operation enabling the access of viewdata services such as Prestel (V23) and of ASCII type services such as One to One, Telecom Gold and Easylink etc., for the sending and receiving of Telex's/Electronic mail messages etc., and data transfer from one computer to another.

Linnet will automatically recognise the terminal baud rate and data formats and adjust itself accordingly. It also provides baud rate conversion for split baud rates. This means that terminal to modem communication can take place at 1200/1200 baud whilst modem to host communication is carried out at 1200/75 baud. This facility allows terminals such as IBM, P.C., Amstrad PC1512, Apple, Macintosh etc., which cannot normally operate with split baud rates, to access viewdata and other split baud rate hosts without modification.

During dialling or answering, Linnet will automatically detect the baud rate of the host system and if this does not match the terminal baud rate, depending upon the configuration of the modem, it will either display the 'No Carrier' result code or connect and return the appropriate result code and expect the Linner baud rate to be adjusted accordingly. If the baud rates do match, Linnet will go 'On Line' and return a 'Connect' message at which time communication can proceed.

Automatic dialling is initiated under software control using a command of the form 'ATD' followed by the telephone number. In addition, the battery backed memory provides long term storage for up to 32 telephone numbers and related descriptions which can be dialled either by reference to the numbered position in the store or by use of a search string, for example, if you have stored "V21 Gold 0532 470771" in location 5 of the number store, it could be dialled by either 'ATDN5' or 'ATDNV21 Gold'.

Call progress monitoring during dialling is provided by a combination of the internal audio speaker and a series of easy to understand status messages displayed on the screen.

Call progress monitoring tones recognised include dial, engaged and number unobtainable.

Linnet has three built-in 'Help' pages contributing to the ease of use of the modem. In addition, although Linnet comes with factory defaults for the 'AT' commands and 'S' registers etc., pre-set, these may be altered and written back to Linnets non volatile memory as new user defaults, thus, once Linnet is configured for a particular application, the relevant parameters will be stored for use each time the modem is powered up.

Other features of Linnet include bell tinkle suppression, six modem status LED's including power (ON), carrier detect (CD), auto answer (AA) etc., a reset switch and rear panel connections for RS232, telephone and external plug mounted power supply.

Linnet is supplied with a comprehensive step by step installation and user guide and a full year's warranty.

Further specification sheets are available on request for the whole range of Pace modems which include: Nightingale, Linnet PC Card modem, Series Four 2123S, 1200S, 2400S.

TECHNICALLY SPEAKING

Dimensions: W 160mm x D 240mm x H 38mm
Power Supply: External, plug mounted
Interface: RS 232 via 25 way D socket
Operating Standards: V21, V23
Baud Rates: 300/300 TX 1200/R75, TX75/RX1200
Connections: Line type 600 modular plug with socket for telephone
Dial Method: Pulse (loop disconnected)
Configuration: Automatic detection of host and terminal baud rates

Tone Recognition: Dial, engaged and number unobtainable tones
Call Progress: Software controlled audio monitoring and 'Hayes' result codes.
Auto Answer: CCITT V25 protocols
Status LED's: ON (power on), OL (on line), CD (carrier detect), TX (transmit data), RX (receive data), AA (auto answer)
Memory: 2K RAM (Battery backed up) for up to 32 number/description storage.