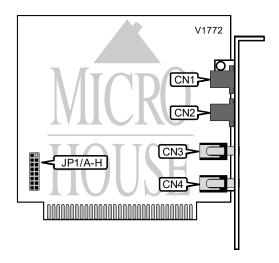
Data (asynchronous)/Fax/Voice

Modem Type Maximum Data Rate 28.8Kbps 14.4Kbps **Maximum Fax Rate** 8 bit ISA Data Bus **Fax Class** Class I

AT&T V.32terbo **Data Modulation Protocol** Bell 103A/212A

ITU-T V.21, V.22bis, V.23, V.32, V.32bis, V.34 ITU-T V.17, V.21CH2, V.27ter, V.29 **Fax Modulation Protocol**

Error Correction/Compression MNP5, V.42, V.42bis



CONNECTIONS			
Purpos	Location	Purpos	Location
Line in	CN1	Microphone	CN3
Line out	CN2	Speaker	CN4

	S	ERIAL PORT ADDRES	S	
Setting	JP1/E	JP1/F	JP1/G	JP1/H
COM1 (3F8h)	Closed	Open	Open	Open
í COM2 (2F8h)	Open	Closed	Open	Open
COM3 (3E8h)	Open	Open	Closed	Open
COM4 (2E8h)	Open	Open	Open	Closed

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		INTERRUPT		
Setting	JP1/A	JP1/B	JP1/C	JP1/D
í3	Closed	Open	Open	Open
4	Open	Closed	Open	Open
5	Open	Open	Closed	Open
7	Open	Open	Open	Closed

Proprietary AT Command Set

	AUTO FALLBACK CHARACTER
Type:	Register
Format:	AT [cmds] S43=n [cmds]
Default:	13
Range:	0 - 127
Unit:	ASCII
Description:	Set auto fallback character during MNP negotiation

	AUTO-RELIABLE FALLBACK CHARACTER
Type:	Configuration
Format:	AT [cmds] %An [cmds]
Default:	Unidentified
Range:	0-127
Unit:	ASCII
Description:	Sets the character used as the auto-reliable fallback character

	AUTO SLEEP TIMER
Format	AT [cmds] S46=n [cmds]
Default:	255
Range:	0 - 255
Unit:	100 ms
Description:	Maximum duration of DTE and DCE inactivity allowed prior to initiating low-power sleep mode

	AUTO-RELIABLE TIME BUFFER CONFIGURATION
Type:	Register
Format:	AT [cmds] S48=n [cmds]
Description:	Controls the handling of incoming data during auto-reliable time period
Command	Function
í S48=0	Data is discarded
S48=1	Data is buffered
S48=2	Data is discarded, modem returns to normal mode on receiving auto-reliable fallback
	character

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	BREAK SEND
Type:	Immediate
Format:	AT [cmds] \Bn [cmds]
Range:	0-9
Unit:	.1 second
Description:	Sends break to modem

		BREAK TYPI	=	
Type:	Configuration			
Format:	AT [cmds] \Kn [cn	nds]		
Description	n: Configures action	of break signal		
Comman	Break from DTE	Break from DTE	Modem receives \B	Break from remote
d	Reliable/Normal	Direct mode		modem
	mode			
\K0	Enter command mode, do not send break to remote modem	Send break to remote modem immediately, then enter command mode	Buffers cleared and break sent to remote modem	Buffers cleared and break sent to DTE
\K1	Buffers cleared and break sent to remote modem	Send break to remote modem immediately	Buffers cleared and break sent to remote modem	Buffers cleared and break sent to DTE
\K2	Enter command mode, do not send break to remote modem	Send break to remote modem immediately, then enter command mode	Send break to remote modem immediately	Send break to DTE immediately
\K3	Send break to remote modem immediately	Send break to remote modem immediately	Send break to remote modem immediately	Send break to DTE immediately
\K4	Enter command mode, do not send break to remote modem	Send break to remote modem immediately, then enter command mode	Send break to remote modem with transmitted data	Break sent with received data to the DTE
\K5	Send break with transmitted data	Send break to remote modem immediately	Send break to remote modem with transmitted data	Break sent with received data to the DTE

	COMPRESSION
Format	AT [cmds] S59=n [cmds]
Default:	1
Range:	0 - 1
Description:	Selects MNP5 status
Command	Function
S53=0	Data compression disabled
S53=1	Data compression enabled

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	COMPRESSION
Type:	Configuration
Format:	AT %Cn
Description:	Selects data compression
Command	Function
%C0	Data compression disabled
í %C1	Data compression enabled

	CONNECT MODE
Type:	Configuration
Format:	AT [cmds] S53=n [cmds]
Description:	Sets connect mode
Command	Function
S53=0	Normal mode enabled
S53=1	Reliable mode enabled
S53=2	Auto-reliable mode enabled
í S53=3	LAPM, MNP or normal mode enabled
S53=4	LAPM or MNP mode enabled

	DTE RATE STATUS
Type:	Register
Format:	AT [cmds] S62=n [cmds]
Description:	Selects DTE rate
Command	Function
0	300 bps
1	600 bps
2	1200 bps
3	2400 bps
4	4800 bps
5	7200 bps
6	9600 bps
7	12Kbps
8	14.4Kbps
9	16.8Kbps
10	19.2Kbps
11	21.6Kbps
12	24.0Kbps
13	26.4Kbps
14	28.8Kbps
15	38.4Kbps
í 16	57.6Kbps
17	115.2Kbps

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	DTE SPEED OPTION
Type:	Immediate
Format:	AT [cmds] \Jn [cmds]
Description:	Controls the speed of the DTE
Command	Function
\J0	DCE and DTE rates are independent

	FAX/DATA MODE
Type:	Register
Format:	AT [cmds] S50=n [cmds]
Description:	Choose data or FAX mode
Command	Function
í O	Data mode enabled
1	FAX mode enabled

	FLOW CONTROL
Type:	Configuration
Format:	AT [cmds] \Gn [cmds]
Description:	Selects modem port flow control
Command	Function
\G0	Flow control disabled
\G1	Flow control enabled

	FLOW CONTROL TYPE
Type:	Configuration
Format:	AT [cmds] $\Q n$ [cmds]
Description:	Sets type of flow control used by modem
Command	Function
\Q0	Flow control disabled
\Q1	XON/XOFF flow control enabled
\Q1 \Q2	XON/XOFF flow control enabled Returns ERROR

	INACTIVITY TIMER
Type:	Register
Format:	AT [cmds] \Tn [cmds]
Default:	0
Range:	0-90
Unit:	Minutes
Description:	Sets the length of time that the modem does not receive information before it disconnects

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	PROTOCOL
Type:	Configuration
Format:	AT [cmds] \Nn [cmds]
Description:	Sets connect mode
Command	Function
\N0	Normal mode enabled
\N1	Direct mode enabled
\N2	MNP reliable mode enabled
í \N3	MNP, LAP-M, or normal mode enabled
\N4	LAP-M or MNP reliable enabled

	EXTENDED RESULT CODES
Type:	Configuration
Format:	AT [cmds] \Vn [cmds]
Example:	AT \ V1 %C1 <cr></cr>
Description:	Selects extended result codes
Command	Function
í \V0	Extended result codes disabled
\V1	Extended result codes enabled

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	PROTOCOL/SPEED
Format	AT [cmds] S37=n [cmds]
Default:	0
Range:	0-17
Description:	Selects switched line speed
Command	Function
í S37=0	Connect at last AT speed
S37=3	Connect at V.22 1200bps
S37=6	Connect at V.22bis 2400bps
S37=7	Connect at V.23 4800bps
S37=8	Connect at V.32/V.32bis 4800bps
S37=9	Connect at V.32/V.32bis 9600bps
S37=10	Connect at V.32bis 12.0Kbps
S37=11	Connect at V.32bis 14.4Kbps
S37=12	Connect at V.34 16.8Kbps
S37=13	Connect at V.34 19.2Kbps
S37=14	Connect at V.34 21.6Kbps
S37=15	Connect at V.34 24.0Kbps
S37=16	Connect at V.34 26.4Kbps
S37=17	Connect at V.34 28.8Kbps

	RESULT CODES
Type:	Configuration
Format:	AT [cmds] S41=n [cmds]
Description:	Selects extended result codes
Command	Function
Command í S41=0	Function Display DTE speed

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	V42bis COMPRESSION
Type:	Configuration
Format:	AT [cmds] "Hn [cmds]
Description:	Controls V.42bis compression
Command	-
Command	Function
"H0	V.42bis disabled
"H0	V.42bis disabled

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	V.32 RETRAIN
Type:	Register
Format:	AT [cmds] S42=n [cmds]
Range:	0 - 2
Unit:	Bit-mapped
Description:	Selects action the modem will take during bad line quality on V.32/32bis connection
Command	Function
í S42=0	Auto-retrain disabled, hang up
S42=1	Auto-retrain on line quality problem enabled
S42=2	Modem ignores line quality problems

	XON/XOFF PASS-THROUGH
Type:	Configuration
Format:	AT [cmds] \Xn [cmds]
Description:	Selects whether XON/XOFF signals are sent to remote modem
Command	Function
í \X0	XON/XOFF signals trapped by local modem
\X1	XON/XOFF passed through local modem