Modem Type Data (synchronous/asynchronous)/Fax

 Maximum Data Rate
 14.4Kbps

 Maximum Fax Rate
 9600bps

 Data Bus
 8-bit ISA

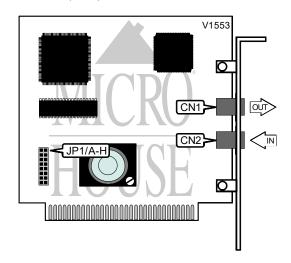
 Fax Class
 Class I & II

 Data Modulation Protocol
 Bell 103A/212A

ITU-T V.21, V.22, V.22bis, V.23, V.32, V.32bis

Fax Modulation Protocol ITU-T V.21CH2, V.27ter, V.29

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



CONNECTIONS			
Purpos	Location	Purpos	Location
Line out	CN1	Line in	CN2

	BASE	I/O ADDRESS SELE	CTION	
Port	JP1/A	JP1/B	JP1/C	JP1/D
í COM1: (3F8h)	Closed	Open	Open	Open
COM2: (2F8h)	Open	Closed	Open	Open
COM3: (3E8h)	Open	Open	Closed	Open
COM4: (2E8h)	Open	Open	Open	Closed

	I	NTERRUPT SELECTIO	N	
IRQ	JP1/E	JP1/F	JP1/G	JP1/H
3	Closed	Open	Open	Open
í 4	Open	Closed	Open	Open
5	Open	Open	Closed	Open
7	Open	Open	Open	Closed

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Proprietary AT Command Set

	AUTO-RETRAIN - FALLBACK/FALLFORWARD
Type:	Configuration
Format:	AT [cmds] %En [cmds]
Example:	AT %E1 <cr></cr>
Description:	Controls auto-retrain mode and fallback/fall forward.
Command	Function
í %E0	Auto-retrain disabled.
%E1	Auto-retrain enabled.
%E2	Fallback/fall forward enabled.

BIT-MAPPED REGISTERS		
Registers	Default	
S14	170	
S21	0	
S22	117	
S23	7	
S27	9	
S28	Unidentified	
S31	Unidentified	
S39	Unidentified	
S40	Unidentified	
S41	Unidentified	

	BREAK SEND
Type:	Configuration
Format:	AT [cmds] \Bn [cmds]
Example:	AT \B3 <cr></cr>
Default:	3
Range:	1-9
Unit:	.1 second
Description:	Sends break to modem.

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		BREAK TYPE	
Type:	Configuration		<u>-</u>
Format:	AT [cmds] \Kn [cmds]		
Example:	AT \ K1 <cr></cr>		
Description:	Configures action of break sig	nal.	
Command	Break from DTE MNP/Normal mode	Break from DTE Direct mode	Break from remote modem
\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 DTE.
\K1	Buffers cleared and break sent to remote modem.	Send break to remote modem immediately, then enter command mode.	Buffers cleared and break sent to DTE.
\K2	Enter command mode, do not send break to remote modem.	Send break to remote modem immediately.	Send break to DTE immediately.
\K3	Send break to remote modem immediately.	Send break to remote modem immediately, then enter command mode.	Send break to DTE immediately.
\K4	Enter command mode, do not send break to remote modem.	Send break to remote modem immediately.	Break sent with received data to the DTE.
í \K5	Send break with transmitted data.	Send break to remote modem immediately.	Break sent with received data to the DTE.

	COMPRESSION
Type:	Configuration
Format:	AT [cmd] %Cn [cmd]
Example:	AT \N2 %C1 \K5 <cr></cr>
Description:	Selects data compression.
Command	Function
%C0	Data compression disabled.
%C1	MNP5 enabled.
%C2	V.42bis enabled.
í %C3	MNP5 and V.42bis enabled.

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	CONNECT MODE
Type:	Configuration
Format:	AT [cmds] \Nn [cmds]
Example:	AT \ N1 DT555-1212 <cr></cr>
Description:	Sets connect mode.
Command	Function
\N0	Normal mode enabled.
\N1	Direct mode enabled.
\N2	Reliable mode enabled.
\N3	Auto-reliable mode enabled, MNP mode with fallback to Normal mode.
\N4	LAPM error-correction mode enabled.
\N5	MNP error-correction mode enabled.

	FAX TRANSMIT LEVEL
Type:	Register
Format:	AT [cmds] S92=n [cmds]
Example:	AT S92=10 <cr></cr>
Default:	10
Range:	1-15
Unit:	-1dBm
Description:	Controls fax transmission level.

	FLOW CONTROL
Type:	Configuration
Format:	AT [cmds] \Gn [cmds]
Example:	AT \G1 &K3 <cr></cr>
Description:	Selects modem port flow control.
Command	Function
í \G0	Flow control disabled.
\G1	Flow control enabled.

	FLOW CONTROL CHARACTER - XOFF
Type:	Register
Format:	AT [cmds] S33=n [cmds]
Example:	AT S33=19 <cr></cr>
Default:	19
Range:	0-255
Unit:	ASCII
Description:	Sets the character used to represent XOFF.

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	FLOW CONTROL CHARACTER - XON
Type:	Register
Format:	AT [cmds] S32=n [cmds]
Example:	AT S32=17 <cr></cr>
Default:	17
Range:	0-255
Unit:	ASCII
Description:	Sets the character used to represent XON.

	LINE SIGNAL LEVEL
Туре:	Configuration
Format:	AT [cmds] %L [cmds]
Example:	AT %L &W <cr></cr>
Default:	Unidentified
Range:	9-43
Unit:	-1 dBm
Description:	Returns received line signal level.

	MAXIMUM BLOCK SIZE FOR TRANSMISSION
Type:	Configuration
Format:	AT [cmds] \An [cmds]
Example:	AT \A1 %C1 <cr></cr>
Description:	Sets the maximum transmittable block size.
Command	Function
Command \A0	Function MNP block size is 64 characters.
\A0	MNP block size is 64 characters.

	MNP STREAM/BLOCK MODE	
Type:	Configuration	
Format:	AT [cmds] \Ln [cmds]	
Example:	AT \L1 DT555-1212 <cr></cr>	
Description:	Selects the transfer mode for MNP.	
Command	Function	
í \LO	Stream mode for MNP enabled.	
\L1	Block mode for MNP enabled.	

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	MNP10 LINK NEGOTIATION
Type:	Configuration
Format:	AT [cmds] *Hn [cmds]
Example:	AT * H0 \W1 <cr></cr>
Description:	Sets the speed at which MNP10 link negotiation will occur.
Command	Function
í *H0	Link will be negotiated at highest possible speed.
*H1	Link will be negotiated at 1200bps.

	PSTN TRANSMIT LEVEL
Type:	Register
Format:	AT [cmds] S91=n [cmds]
Example:	AT S91=10 <cr></cr>
Default:	10
Range:	1-15
Unit:	-1dBm
Description:	Controls PSTN transmission level.

	REPORT SIGNAL QUALITY
Type:	Configuration
Format:	AT [cmds] %Q [cmds]
Example:	AT %Q &W <cr></cr>
Range:	0-255
Description:	Reports signal quality.
Note: A value of 8 or greater retrain enabled, only when %E1 is enabled.	

	SLEEP TIMER
Format	AT [cmds] S24= <i>n</i> [cmds]
Example:	AT S24=0 <cr></cr>
Default:	0
Range:	0 - 255
Unit:	1 second
Description:	Maximum duration of DTE and DCE inactivity allowed prior to initiating low-power sleep mode.

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		TEST MODES
Format		AT [cmds] S16=n [cmds]
Example	e:	AT S16=128 <cr></cr>
Default:		128
Range:		0 - 255
Unit:		Bit-mapped
Descrip	tion:	Select type of loopback test.
Bit	Value	Function
0	0	Local analog loopback test not in progress.
	1	Local analog loopback test in progress.
1	0	Remote analog loopback test not in progress.
	1	Remote analog loopback test in progress.
2	0	Local digital loopback test not in progress.
	1	Local digital loopback test in progress.
3	0	Remotely requested remote digital loopback test not in progress.
	1	Remotely requested remote digital loopback test in progress.
4	0	Locally requested remote digital loopback test not in progress.
	1	Locally requested remote digital loopback test in progress.
5	0	Remote digital loopback with local self-test not in progress.
	1	Remote digital loopback with local self-test in progress.
6	0	Local analog loopback with local self-test not in progress.
1		Local analog loopback with local self-test in progress.
7	0	Remote analog loopback with local self-test not in progress.
	í 1	Remote analog loopback with local self-test in progress.

	V.23 DIRECTION CONTROL	
Type:	Configuration	
Format:	AT [cmds] %Fn [cmds]	
Example:	AT %F1 &W <cr></cr>	
Description:	Controls the direction of transmit/receive 75/1200bps, only when \W1 is selected.	
Command	Function	
%F0	75bps transmit/1200bps receive enabled.	
í %F1	1200bps transmit/75bps receive enabled.	

	V.23 SPLIT BAUD MODE	
Type:	Configuration	
Format:	AT [cmds] \Wn [cmds]	
Example:	AT \W1 <cr></cr>	
Description:	Controls V.23 split baud mode.	
Command	Function	
í \W0	V.23 split baud mode disabled.	
\W1	V.23 split baud mode enabled.	