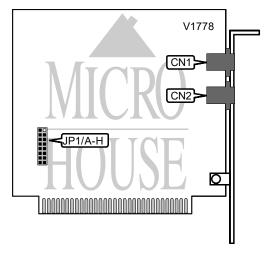
Modem Type Maximum Data Rate Maximum Fax Rate Data Bus Fax Class Data Modulation Protocol

Data (synchronous/asynchronous)/Fax 28.8Kbps 14.4Kbps 8 bit ISA Class I & II Bell 103A/212A ITU-T V.21, V.22, V.32, V.32bis, V.34 Rockwell V.FC ITU-T V.17, V.21CH2, V.27ter, V.29 MNP5, V.42, V.42bis

Fax Modulation Protocol Error Correction/Compression



CONNECTIONS			
Purpos	Location	Purpos	Location
Line in	CN1	Line out	CN2

	S	ERIAL PORT ADDRES	S	
Setting	JP1/A	JP1/B	JP1/C	JP1/D
COM1 (3F8h)	Closed	Open	Open	Open
COM2 (2F8h)	Open	Closed	Open	Open
í COM3 (3E8h)	Open	Open	Closed	Open
COM4 (2E8h)	Open	Open	Open	Closed

		INTERRUPT		
Setting	JP1/E	JP1/F	JP1/G	JP1/H
3	Closed	Open	Open	Open
4	Open	Closed	Open	Open
í 5	Open	Open	Closed	Open
7	Open	Open	Open	Closed

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Proprietary AT Command Set

	MAXIMUM BLOCK SIZE FOR TRANSMISSION
Туре:	Configuration
Format:	AT [cmds] \A <i>n</i> [cmds]
Description:	Sets the maximum transmittable block size
Command	Function
\A0	MNP block size is 64 characters
í \A1	MNP block size is 128 characters
\A2	MNP block size is 192 characters

	BREAK SEND
Туре:	Immediate
Format:	AT [cmds] \B <i>n</i> [cmds]
Range:	1-9
Default:	3
Unit:	.1 second
Description:	Sends break to modem

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

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	BREA	K TYPE	
Туре:	Configuration		<u> </u>
Format:	AT [cmds] \K <i>n</i> [cmds]		
Description:	Configures action of break signal		
Comman	d Break from DTE while in auto reliable mode	Modem receives \B while in normal mode	Break from DTE while in direct mode
\K0	Online command mode enabled, send no break to remote modem	Break sent to remote modem and buffered cleared	Break sent and modem enters command mode
\K1	Break sent to remote modem and buffered cleared	Break sent to remote modem and buffered cleared	Break sent and modem enters command mode
\K2	Online command mode enabled, send no break to remote modem	Send break to remote modem immediately	Break sent to remote modem
\K3	Send break to remote modem immediately	Send break to remote modem immediately	Break sent and modem enters command mode
\K4	Online command mode enabled, send no break to remote modem	Send break with transmitted data	Break sent to remote modem
í \K5	Send break with transmitted data	Send break with transmitted data	Break sent to remote modem

	PROTOCOL
Туре:	Configuration
Format:	AT [cmds] \Nn [cmds]
Description:	Sets connect mode
Command	Function
\N0	Normal mode enabled
\N1	Direct mode enabled
\N2	Reliable mode enabled
í \N3	Auto reliablel mode enabled
\N4	LAP-M mode enabled
\N5	MNP mode enabled

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	COMPRESSION
Туре:	Configuration
Format:	AT %Cn
Description:	Selects data compression
Command	Function
%C0	Data compression disabled
%C1	MNP5 data compression enabled
%C2	V.42bis data compression enabled

	AUTO-RETRAIN - FALLBACK/FALLFORWARD
Type:	Configuration
Format:	AT [cmds] %E <i>n</i> [cmds]
Description:	Controls auto-retrain mode and fallback/fall forward
Command	Function
Command %E0	Function Auto-retrain disabled

	LINE SIGNAL LEVEL
Туре:	Immediate
Format:	AT [cmds] %L [cmds]
Range:	009-043
Unit	-1dBm
Description:	Displays received line signal level

	REPORT SIGNAL QUALITY
Type:	Immediate
Format:	AT [cmds] %Q [cmds]
Range:	0-255
Unit:	High order byte of calculated eye quality monitor
Description:	Reports signal quality. If the value is greater than 8, the modem will retrain

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	MODULATION SELECTION	
Туре:	Configuration	
Format:	AT [cmds] +MS=xx,y,zzz,aaa [cmds]	
Description:	Sets options for active protocol. The transfer rates specified by <i>z</i> and <i>a</i> must be valid for the protocol selected.	
Command	Function	
<i>x</i> =0	V.21	
<i>x</i> =1	V.22	
<i>x</i> =2	V.22bis	
<i>x</i> =3	V.23	
<i>x</i> =9	V.32	
<i>x</i> =10	V.32bis	
<i>í x</i> =11	V.34	
<i>x</i> =64	Bell 103A	
<i>x</i> =69	Bell 212A	
<i>x</i> =74	V.FC	
<i>y</i> =0	Automode disabled	
<i>y</i> =1	Auto-detect highest speed enabled	
<i>z, a</i> =300	Set minimum or maximum transfer rate at 300bps, respectively	
<i>z, a</i> =1200	Set minimum or maximum transfer rate at 1200bps, respectively	
<i>z, a</i> =2400	Set minimum or maximum transfer rate at 2400bps, respectively	
<i>z, a</i> =4800	Set minimum or maximum transfer rate at 4800bps, respectively	
<i>z, a</i> =7200	Set minimum or maximum transfer rate at 7200bps, respectively	
<i>z, a</i> =9600	Set minimum or maximum transfer rate at 9600bps, respectively	
<i>z, a</i> =12000	Set minimum or maximum transfer rate at 12000bps, respectively	
<i>z, a</i> =14400	Set minimum or maximum transfer rate at 14400bps, respectively	
<i>z, a</i> =16800	Set minimum or maximum transfer rate at 16800bps, respectively	
<i>z, a</i> =19200	Set minimum or maximum transfer rate at 19200bps, respectively	
<i>z, a</i> =21600	Set minimum or maximum transfer rate at 21600bps, respectively	
<i>z, a</i> =24000	Set minimum or maximum transfer rate at 24000bps, respectively	
<i>z, a</i> =26400	Set minimum or maximum transfer rate at 26400bps, respectively	
<i>z, a</i> =28800	Set minimum or maximum transfer rate at 28800bps, respectively	

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

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FLASH DIAL MODIFIER TIME		
Format	AT [cmds] S29= <i>n</i> [cmds]	
Default:	10	
Range:	0-255	
Unit:	1ms	
Description:	Time the modem will go on-hook upon receiving the ! dial modifier in dial string	

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

FLOW CONTROL CHARACTER - XON		
Туре:	Register	
Format:	AT [cmds] S32=n [cmds]	
Default:	17	
Range:	0-255	
Unit:	ASCII	
Description:	Sets the character used to represent XON	

	PROTOCOL/SPEED
Format	AT [cmds] S37= <i>n</i> [cmds]
Default:	0
Range:	0-12
Description:	Selects switched line speed
Command	Function
í S37=0	Connect at highest common speed
S37=1	Connect at300bps
S37=2	Connect at 300bps
S37=3	Connect at 300bps
S37=4	Not used
S37=5	Connect at 1200bps
S37=6	Connect at 2400bps
S37=7	Connect at V.23
S37=8	Connect at 4800bps
S37=9	Connect at 9600bps
S37=10	Connect at 12.0Kbps
S37=11	Connect at 14.4Kbps
S37=12	Connect at 7200bps

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FAX TRANSMIT LEVEL		
Туре:	Register	
Format:	AT [cmds] S92= <i>n</i> [cmds]	
Default:	10	
Range:	0-15	
Unit:	-1dBm	
Description:	Controls fax transmission level	

BIT MAPPED REGISTERS			
Register	Default		
S14	138		
S16	0		
S21	4		
S22	117		
S23	54		
S27	9		
S28	0		
S31	2		
S39	3		
S40	104		
S41	3		