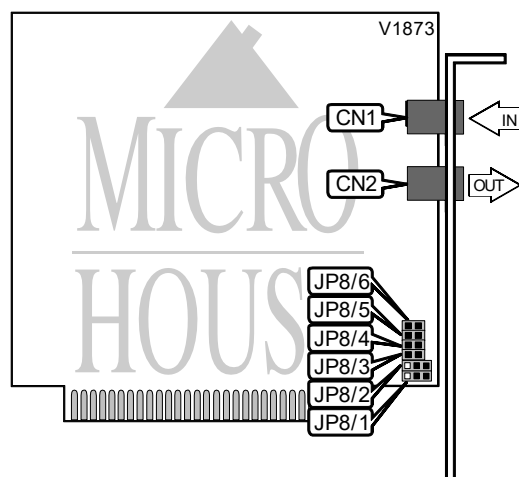


WISECOM, INC.

DATA/FAX MODEM 28.8 V.34

Card Type	Fax, Modem (asynchronous)
Chip Set	Unidentified
Maximum Data Rate	28.8Kbps
Maximum Fax Rate	14.4Kbps
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.32, V.32bis, V.34 Rockwell V.FC
Fax Modulation Protocol	ITU-T V.17, V.21CH2, V.27ter, V.29
Error Correction/Compression	MNP5, V.42, V.42bis



CONNECTIONS			
Function	Label	Function	Label
Line in	CN1	Line out	CN2

SERIAL PORT ADDRESS			
Setting	JP8/1	JP8/2	
COM1 (3F8h)	Pins 1 & 2 closed	Pins 1 & 2 closed	
COM2 (2F8h)	Pins 2 & 3 closed	Pins 1 & 2 closed	
COM3 (3E8h)	Pins 1 & 2 closed	Pins 2 & 3 closed	
i COM4 (2E8h)	Pins 2 & 3 closed	Pins 2 & 3 closed	

INTERRUPT				
Setting	JP8/3	JP8/4	JP8/5	JP8/6
2	Closed	Open	Open	Open
i 3	Open	Closed	Open	Open
4	Open	Open	Closed	Open
5	Open	Open	Open	Closed

Continued on next page . . .

. . . continued from previous page

Proprietary AT Command Set

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

BIT MAPPED REGISTERS	
Register	Default
S14	Unidentified
S16	0
S21	Unidentified
S22	Unidentified
S23	Unidentified
S27	Unidentified
S31	Unidentified
S39	3
S40	105
S41	3

BREAK SEND	
Type:	Configuration
Format:	AT [cmds] \Bn [cmds]
Default:	3
Range:	0-9
Unit:	.1 second
Description:	Sends break to modem

BREAK TYPE	
Type	Configuration
Format	AT [cmds] \Kn [cmds]
Default	5
Range	0-5
Description	Configures action of break signal

Continued on next page . . .

WISECOM, INC.
DATA/FAX MODEM 28.8 V.34

. . . continued from previous page

COMPRESSION	
Type:	Configuration
Format:	AT [cmds] %C <i>n</i> [cmds]
Description:	Selects data compression
Command	Function
%C0	Data compression disabled
%C1	MNP5 enabled
%C2	V.42bis enabled
í %C3	MNP5 and V.42bis enabled

CONNECT MODE	
Type:	Configuration
Format:	AT [cmds] \N <i>n</i> [cmds]
Description:	Sets connect mode
Command	Function
\N0	Normal mode enabled
\N1	Direct mode only enabled
\N2	V.42 and MNP mode enabled
í \N3	V.42, MNP, or Normal mode enabled
\N4	V.42 mode only enabled
\N5	MNP mode only enabled

DISPLAYS LINE SIGNAL LEVEL	
Type:	Immediate
Format:	AT [cmds] %L [cmds]
Description:	Displays received line signal level

DISPLAYS LINE SIGNAL QUALITY	
Type:	Immediate
Format:	AT [cmds] %Q [cmds]
Description:	Displays line signal quality

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

FLASH DIAL MODIFIER TIME	
Type:	Register
Format	AT [cmds] S29= <i>n</i> [cmds]
Default:	0
Range:	0-255
Unit:	.01 seconds
Description:	Time the modem will go on-hook upon receiving the ! dial modifier in dial string.

Continued on next page . . .

WISECOM, INC.
DATA/FAX MODEM 28.8 V.34

. . . continued from previous page

FLOW CONTROL	
Type:	Configuration
Format:	AT [cmds] \Gn [cmds]
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]
Default:	19
Range:	0-255
Unit:	ASCII
Description:	Sets the character used to represent XOFF

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

MAXIMUM BLOCK SIZE FOR TRANSMISSION	
Type:	Configuration
Format:	AT [cmds] \An [cmds]
Description:	Sets the maximum transmittable block size
Command	Function
\A0	MNP block size is 64 characters
\A1	MNP block size is 128 characters
\A2	MNP block size is 192 characters
í \A3	MNP block size is 256 characters

Continued on next page . . .

WISECOM, INC.
DATA/FAX MODEM 28.8 V.34

. . . continued from previous page

MODULATION SELECTION	
Type:	Configuration
Format:	AT [cmds] +MS=xx,y,zzz,aaa [cmds]
Description:	Sets options for active protocol. The transfer rates specified by z and a must be valid for the protocol selected.
Command	Function
x=0	V.21
x=1	V.22
x=2	V.22bis
x=3	V.23
x=9	V.32
x=10	V.32bis
í x=11	V.34
x=64	Bell 103A
x=69	Bell 212A
x=74	V.FC
y=0	Automode disabled
í y=1	Automode enabled with V.8 or V.32
z, a=300	Set minimum or maximum transfer rate at 300bps, respectively.
z, a=1200	Set minimum or maximum transfer rate at 1200bps, respectively.
z, a=2400	Set minimum or maximum transfer rate at 2400bps, respectively.
z, a=4800	Set minimum or maximum transfer rate at 4800bps, respectively.
z, a=7200	Set minimum or maximum transfer rate at 7200bps, respectively.
z, a=9600	Set minimum or maximum transfer rate at 9600bps, respectively.
z, a=12000	Set minimum or maximum transfer rate at 12000bps, respectively.
z, a=14400	Set minimum or maximum transfer rate at 14400bps, respectively.
z, a=16800	Set minimum or maximum transfer rate at 16800bps, respectively.
z, a=19200	Set minimum or maximum transfer rate at 19200bps, respectively.
z, a=21600	Set minimum or maximum transfer rate at 21600bps, respectively.
z, a=24000	Set minimum or maximum transfer rate at 24000bps, respectively.
z, a=26400	Set minimum or maximum transfer rate at 26400bps, respectively.
z, a=28800	Set minimum or maximum transfer rate at 28800bps, respectively.

MODULATION SELECTION DISPLAY	
Type:	Immediate
Format:	AT [cmds] +MS? [cmds]
Description:	Displays modulation, automode, minimum rate and maximum rate settings

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

Continued on next page . . .

WISECOM, INC.
DATA/FAX MODEM 28.8 V.34

. . . continued from previous page

TRANSMIT ATTENUATION LEVEL	
Type:	Register
Format:	AT [cmds] S91= <i>n</i> [cmds]
Default:	10
Range:	0-15
Unit:	-1dBm
Description:	Controls transmission attenuation level