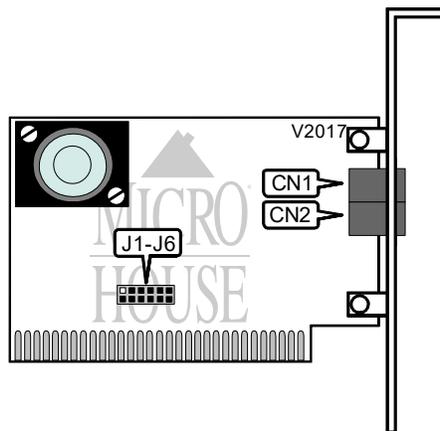


MAXTECH CORPORATION

CL-MD1414ECT

Card Type	Fax, Modem (asynchronous), Voice
Chip Set	Unidentified
I/O Options	Handset, Voice mail
Maximum Data Rate	14.4Kbps
Maximum Fax Rate	14.4Kbps
Data Bus	8-bit ISA
Fax Class	Class I
Data Modulation Protocol	Bell 103/212A
Fax Modulation Protocol	ITU-T V.21, V.22, V.22bis, V.32, V.32bis
Error Correction/Compression	ITU-T V.17, V.21CH2, V.27ter, V.29 MNP5, V.42, V.42bis



CONNECTIONS			
Function	Label	Function	Label
Line in/out	CN1	Line out/in	CN2

SERIAL PORT ADDRESS			
Setting	J1	J2	
i COM1 (3F8h)	On	On	
COM2 (2F8h)	Off	On	
COM3 (3E8h)	On	Off	
COM4 (2E8h)	Off	Off	

INTERRUPT					
Setting	J3	J4	J5	J6	
2	On	Off	Off	Off	
3	Off	On	Off	Off	
i 4	Off	Off	On	Off	
5	Off	Off	Off	On	

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Proprietary AT Command Set

ACCEPT MNP RELIABLE MODE	
Type:	Immediate
Format:	AT [cmds] \U [cmds]
Description:	Accept remote modem's request for MNP reliable mode

AUTO-FALLBACK/FALL-FORWARD	
Type:	Configuration
Format:	AT [cmds] %Gn [cmds]
Description:	Selects auto-fallback/fall-forward
Command	Function
í %G0	Auto-fallback/fall-forward enabled
%G1	Auto-fallback/fall-forward disabled

AUTO-RELIABLE FALLBACK CHARACTER	
Type:	Configuration
Format:	AT [cmds] %An [cmds]
Default:	19
Range:	0-127
Unit:	ASCII
Description:	Sets the character used as the auto-reliable fallback character; %A0 will disable this function.

AUTO-RELIABLE TIME BUFFER CONFIGURATION	
Type:	Configuration
Format:	AT [cmds] \Cn [cmds]
Description:	Controls the handling of incoming data during auto-reliable time period
Command	Function
í \C0	Data is discarded
\C1	Data is buffered
\C2	Data is discarded; modem returns to normal mode on receiving auto-reliable fallback character.

AUTO-RETRAIN	
Type:	Configuration
Format:	AT [cmds] %En [cmds]
Description:	Controls auto-retrain mode
Command	Function
%E0	Auto-retrain disabled
í %E1	Auto-retrain enabled

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BIT MAPPED REGISTERS	
Register	Default
S14	Unidentified
S16	Unidentified
S21	Unidentified
S22	Unidentified
S23	Unidentified
S27	Unidentified

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

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

COMPRESSION	
Type:	Configuration
Format:	AT [cmds] %Cn [cmds]
Description:	Selects data compression
Command	Function
%C0	MNP5 disabled
í %C1	MNP5 enabled

CONVERT TO MNP RELIABLE MODE	
Type:	Immediate
Format:	AT [cmds] \Y [cmds]
Description:	Converts to MNP reliable mode from normal mode

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CONNECT MODE	
Type:	Configuration
Format:	AT [cmds] \Nn [cmds]
Description:	Controls the type of connection the modem will operate in
Command	Function
\N0	Normal mode enabled
\N1	Direct mode enabled
\N2	MNP mode enabled
í \N3	Auto-reliable mode enabled
\N4	V.42 mode enabled

DIAL	
Type:	Immediate
Format:	AT [cmds] D<#> [cmds]
Example:	ATDT555-1212,,1234,
Description:	Dials telephone number according to any modifiers included in the string
Note:	Any combination of modifiers can be used to produce the desired dial functions in sequence.
Modifier	Function
P	Pulse dialing enabled
R	Originate calls in answer mode.
S=n	Dial stored telephone number <i>n</i> . <i>n</i> =0-3
T	Tone dialing enabled
W	Dialing resumed following dial tone detection
,	(Comma) Dialing paused for amount of time specified in S8 register
@	Wait for quiet answer.
!	Flash function initiated.
;	(Semi-colon) Modem returned to command state after dialing.

EXTENDED RESULT CODES	
Type:	Configuration
Format:	AT [cmds] \Vn [cmds]
Description:	Selects extended result codes
Command	Function
\V0	Extended result codes disabled
\V1	Extended result codes set 1 enabled
í \V2	Extended result codes set 2 enabled

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

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FLOW CONTROL TYPE	
Type:	Configuration
Format:	AT [cmds] \Qn [cmds]
Description:	Sets type of flow control used by modem
Command	Function
\Q0	Flow control disabled
\Q1	XON/XOFF flow control enabled
\Q2	Unidirectional CTS flow control enabled
í \Q3	Bi-directional RTS/CTS flow control enabled

INACTIVITY TIMER	
Type:	Configuration
Format:	AT [cmds] \Tn [cmds]
Default:	0
Range:	0-90
Unit:	1 minute
Description:	Sets the length of time that the modem does not receive information before it disconnects. \T=0 will disable timer.

INACTIVITY TIMER	
Type:	Register
Format:	AT [cmds] S90=n [cmds]
Default:	0
Range:	0-255
Unit:	1 second
Description:	Sets the length of time that the modem does not receive information before it disconnects. S90=0 will disable timer.

INITIATE MNP RELIABLE MODE	
Type:	Immediate
Format:	AT [cmds] \O [cmds]
Description:	Initiates MNP reliable mode from normal mode

LOCK SERIAL PORT	
Type:	Configuration
Format:	AT [cmds] \Jn [cmds]
Description:	Sets operation of serial port speed
Command	Function
í \J0	Serial speed locked
\J1	Serial speed follows connect speed

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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

REPORT INFORMATION	
Type:	Immediate
Format:	AT [cmds] In [cmds]
Description:	Displays information requested
Command	Function
I0	Reports product identification code
I1	Reports factory ROM ID
I2	Internal memory test
I3	Reports device ID
I4	Reports internal ID

SLEEP TIMER	
Type:	Register
Format	AT [cmds] S30= <i>n</i> [cmds]
Default:	10
Range:	0-90
Unit:	1 second
Description:	Maximum duration of DTE and DCE inactivity allowed prior to initiating low-power sleep mode. S30=0 will disable timer.

SWITCH TO NORMAL MODE	
Type:	Immediate
Format:	AT [cmds] \Z [cmds]
Description:	Switches to normal mode from MNP mode

V.42 - DETECTION PHASE	
Type:	Configuration
Format:	AT [cmds] -J <i>n</i> [cmds]
Description:	Controls V.42 detection
Command	Function
-J0	V.42 detection disabled
í -J1	V.42 detection enabled

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V.42bis - COMPRESSION CONTROL	
Type:	Configuration
Format:	AT [cmds] "Hn [cmds]
Description:	Controls V.42bis data compression
Command	Function
"H0	V.42bis disabled
"H1	V.42bis when transmitting enabled
"H2	V.42bis when receiving enabled
í "H3	V.42bis when transmitting/receiving enabled

V.42bis - MAXIMUM BLOCK SIZE	
Type:	Immediate
Format:	AT [cmds] "On [cmds]
Default:	32
Range:	6-250
Unit:	Characters
Description:	Selects block size for V.42bis compression

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