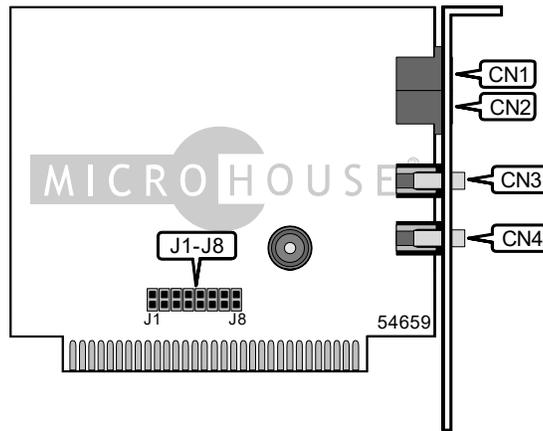


MAXTECH CORPORATION XVM 14U (SF-1114HV/UMC)

Card Type	Modem (asynchronous), Fax
Chip Set	Unidentified
I/O Options	Microphone, speaker out, line in, line out
Maximum Modem Rate	14.4Kbps
Maximum Fax Rate	14.4Kbps
Data Modulation Protocol	Bell 212
Fax Modulation Protocol	ITU-T V.32bis, V.32, , V.25bis, V.22bis, V.22, V.21, ITU-T V.17, V.29, V.27ter
Error Correction/Compression	MNP5, V.42, V.42bis
Fax Class	Class I & II
Data Bus	8-bit ISA
Card Size	Half-length, half-height card



CONNECTIONS			
Function	Label	Function	Label
Line in	CN1	Microphone	CN3
Line out	CN2	Speaker out	CN4

SERIAL PORT ADDRESS			
Setting	J1	J2	J3
COM1 (3F8h)	Open	Open	Open
COM2 (2F8h)	Closed	Open	Open
COM3 (3E8h)	Open	Closed	Open
COM4 (2E8h)	Closed	Closed	Open

INTERRUPT					
Setting	J4	J5	J6	J7	J8
2/9	Closed	Open	Open	Open	Open
3	Open	Closed	Open	Open	Open
4	Open	Open	Closed	Open	Open
5	Open	Open	Open	Closed	Open
7	Open	Open	Open	Open	Closed

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SUPPORTED COMMAND SET	
Basic AT Commands	
AT, '+++', A/	
A, B, E, H, M, O, Q, V, X, Y, Z	
&C, &F, &T, &V, &W, &Y, &Z	
Extended AT Commands	
\\A, \\B, \\E, \\G, \\J, \\K, \\V, \\X	
%A,	
S Registers	
S0, S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S14, S16, S18, S21, S22, S23, S25, S26, S27, S30, S46, S82, S95	
Voice Commands	
#MFR, #CLS, #VBT, #VLS, #VCI, #BDR, #VRX, #VBS, #VTX, #REV	
Note: See MHI Help File for full command documentation.	

PROPRIETARY AT COMMAND SET

AUTO-MODE DETECTION	
Type:	Configuration
Format:	AT [cmds] Nn [cmds]
Description:	Selects various options for the automatic detection and negotiation of protocols during the handshake process if the modem is communicating with a remote modem of dissimilar speed.
Command	Function
N0	Disabled autoscan mode
í N1	Enable autoscan mode

DATA TERMINAL READY (DTR)	
Type:	Configuration
Format:	AT [cmds] &Dn [cmds]
Description:	Selects modem response to DTR
Note: The action each variant of &D causes depends on the setting of &Q	
Command	Function
í &D0	Modem does not respond to DTR
&D1	Modem goes to command mode after DTR goes is off
&D2	Modem goes to command mode and disconnects (hangs up) after DTR goes off; Auto-Answer is disabled.
&D3	Modem is initialized after DTR goes off

COMMUNICATIONS MODE	
Type:	Configuration
Format:	AT [cmds] &Mn [cmds]
Description:	Selects communications mode
Command	Mode
í &M0	Asynchronous mode

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DATA SET READY (DSR)	
Type:	Configuration
Format:	AT [cmds] &Sn [cmds]
Description:	Selects DSR options
Command	Function
&S0	DSR forced high
&S1	DSR is off in command mode, on in on-line mode

DIAL	
Type:	Immediate
Format:	AT [cmds] D<#> [cmds]
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.
Command	Function
DP	Pulse dialing enabled
DS=n	Dial stored telephone number <i>n</i>
DT	Tone dialing enabled/Pulse dialing disabled
DW	Dialing resumed following dial tone detection
D,	Dialing paused for amount of time specified in S8 register
D!	Flash function initiated. Modem commanded to go off-hook for specified time before returning on-hook.
D@	Wait for Quiet Answer function enabled. Modem waits until a "quiet answer," a ring-back signal followed by silence up to the time specified in S7, is received prior to executing the rest of the dial string.
D;	Modem returned to idle state after dialing. The semicolon can only be placed at the end of the dial command.

EXTENDED RESULT CODES	
Type:	Configuration
Format:	AT [cmds] Wn [cmds]
Description:	Enables selection of additional result codes when S95=0; otherwise, S95 takes precedence.
Command	Function
W0	Disable extended response code
í W1	Enable extended response code

GUARD TONE	
Type:	Configuration
Format:	AT [cmds] &Gn [cmds]
Description:	Commands the modem to transmit a guard tone in V.22/V.22bis
Note:	Used primarily for international data transmission
Command	Function
í &G0	Guard tone disabled
&G1	Guard tone disabled
&G2	1800Hz guard tone enabled

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PULSE DIALING RATIO	
Type:	Configuration
Format:	AT [cmds] &Pn [cmds]
Description:	Selects pulse dial make/break ratio
Command	Function
í &P0	39/61ms at 10pps (North America)
&P1	33/67ms at 10pps (Europe)

REPORT INFORMATION	
Type:	Immediate
Format:	AT [cmds] ln [cmds]
Description:	Displays information requested
Command	Function
I0	Reports modem model and speed
I1	Reports ROM checksum
I2	Tests and reports ROM checksum
I3	Reports device ID

SPEAKER VOLUME	
Type:	Configuration
Format:	AT [cmds] Ln [cmds]
Description:	Controls speaker volume
Command	Function
L0	Low volume setting
L1	Low volume setting
í L2	Medium volume setting
L3	Highest volume setting

EXTENDED AT COMMAND SET

ADAPTIVE HANDSHAKING	
Type:	Configuration
Format:	AT [cmds] *Gn [cmds]
Description:	Controls the adaptive handshaking
Command	Function
í *G0	Adaptive handshaking disabled
*G1	Adaptive handshaking enabled

AUTO-RETRAIN	
Type:	Configuration
Format:	AT [cmds] *Qn [cmds]
Description:	Selects modem port flow control
Command	Function
*Q0	Auto-retrain disabled
*Q1	Auto-retrain enabled

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

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 data link only
\N3	MNP/Normal data link only
\N4	V.42 reliable mode enabled
\N5	V.42/MNP/Normal reliable mode enabled

DCE SPEED	
Type:	Configuration
Format:	AT [cmds] *Nn [cmds]
Description:	Sets maximum DCE speed
Command	Function
*N0	Set maximum DCE speed to 1200bps
*N1	Set maximum DCE speed to 2400bps
*N2	Set maximum DCE speed to 4800bps
*N3	Set maximum DCE speed to 9600bps
*N4	Set maximum DCE speed to 7200bps
*N5	Set maximum DCE speed to 12000bps
*N6	Set maximum DCE speed to 14400bps
*N7	Set maximum DCE speed to 1200/75bps

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	Bidirectional XON/XOFF software flow control enabled
\Q2	CTS flow control by DCE enabled
\Q3	Bidirectional RTS/CTS flow control enabled

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USER ABORT	
Type:	Configuration
Format:	AT [cmds] *Pn [cmds]
Description:	Enables modem to echo received data
Command	Function
*P0	User abort enabled
*P1	User abort disabled