MAXTECH CORPORATION.
XM 288R15 (RC288/GEN)
XM 288R1 (RC288/GEN)

Card Type	Modem/Fax card
Chip Set	Unidentified
I/O Options	Line in(RJ-11), line out(RJ-11)
Maximum Modem Rate	28.8Kbps
Maximum Fax Rate	14.4Kbps
Data Modulation Protocol	Bell 103/212A
	ITU-T V34, V.32bis, V.32, V.23, V.22bis, V.22, V.21
Fax Modulation Protocol	ITU-T V.17, V.27ter, V.29
Error Correction/Compression	MNP5, V.42, V.42bis
Fax Class	Class I & II
Data Bus	8-bit ISA
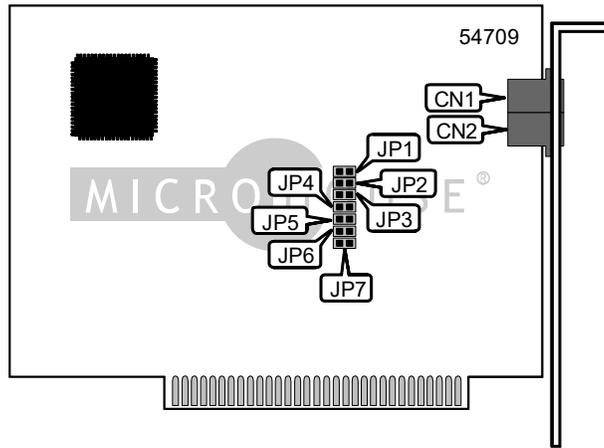
CONNECTIONS			
Function	**Label**	**Function**	**Label**
RJ-11 line	CN1	RJ-11 line	CN2

SERIAL PORT ADDRESS		
Setting	**JP1**	**JP2**
í COM1 (3F8h)	Closed	Closed
COM2 (2F8h)	Open	Closed
COM3 (3E8h)	Closed	Open
COM4 (2E8h)	Open	Open

INTERRUPT					
Setting	**JP3**	**JP4**	**JP5**	**JP6**	**JP7**
IRQ2	Open	Open	Open	Open	Closed
IRQ3	Open	Open	Open	Closed	Open
í IRQ4	Open	Open	Closed	Open	Open
IRQ5	Open	Closed	Open	Open	Open
IRQ7	Closed	Open	Open	Open	Open

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SUPPORTED COMMAND SET
Basic AT Commands
AT, +++, A/
A, B, E, H, M, O, P, Q, T, V, W, X, Y, Z
&C, &F, &P, &T, &V, &W, &Y, &Z
Extended AT Commands
\A, \B, \N
%C, %L, %Q
S Registers
S0, S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S14, S16, S18, S21, S22, S23, S24, S25
S26, S27, S29, S30, S31, S32, S33, S36, S37, S38, S39, S40, S41
S46, S48, S82, S86, S91, S92, S95
Special Commands
#CID
+MS
Note: See MHI Help File for full command documentation.

PROPRIETARY AT COMMAND SET

AUTO-MODE DETECTION	
Type:	Configuration
Format:	AT [cmds] N*n* [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	Auto-mode detection disabled
N1	Auto-mode detection enabled

COMMUNICATIONS MODE	
Type:	Configuration
Format:	AT [cmds] &M*n* [cmds]
Description:	Selects communications mode
Command	**Mode**
&M0	Asynchronous mode

COMMUNICATIONS MODE	
Type:	Configuration
Format:	AT [cmds] &Q*n* [cmds]
Description:	Selects communications mode options
Command	**Mode**
&Q0	Direct mode enabled
&Q5	V.42 error correction mode with fallback enabled
&Q6	Normal mode enabled

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DATA SET READY (DSR)	
Type:	Configuration
Format:	AT [cmds] &S*n* [cmds]
Description:	Selects DSR options

Command	Function
í&S0	DSR forced high
&S1	DSR high only while modem is handshaking or connected

DATA TERMINAL READY (DTR)	
Type:	Configuration
Format:	AT [cmds] &D*n* [cmds]
Description:	Selects modem response to DTR

Command	Function
í&D0	DTR override
&D1	DTR toggle causes online command mode
&D2	Normal DTR operations
&D3	Resets on receipt of DTR

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 *n*
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 Quite 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.

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FLOW CONTROL	
Type:	Configuration
Format:	AT [cmds] &K*n* [cmds]
Description:	Enables flow control options

Command	Function
&K0	Flow control disabled
í &K3	RTS/CTS flow control enabled
&K4	XON/XOFF flow control enabled
&K5	Transparent XON/XOFF flow control enabled
&K6	Hardware and software flow control enabled

GUARD TONE	
Type:	Configuration
Format:	AT [cmds] &G*n* [cmds]
Description:	Commands the modem to transmit a guard tone in V.22/V.22bis

Command	Function
&G0	Guard tone disabled
&G1	Guard tone disabled
&G2	1800Hz guard tone enabled

LINE TYPE	
Type:	Configuration
Format:	AT [cmds] &L*n* [cmds]
Description:	Selects line type

Command	Line Type
&L0	Switched line (PSTN/Dial-up)

REPORT INFORMATION	
Type:	Immediate
Format:	AT [cmds] I*n* [cmds]
Description:	Displays information requested

Command	Function
I0	Reports four digit product code
I1	Reports ROM checksum
I2	Reports internal memory test
I3	Reports firmware ID
I4	Reports reserved ID
I6	Reports data pump version

RTS/CTS	
Type:	Configuration
Format:	AT [cmds] &R*n* [cmds]
Description:	Selects RTS/CTS options

Command	Function
&R0	Reserved
&R1	CTS forced high, RTS is ignored.

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SPEAKER VOLUME	
Type:	Configuration
Format:	AT [cmds] L*n* [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

AUTO-RETRAIN - AUTO-FALLBACK/FALL-FORWARD	
Type:	Configuration
Format:	AT [cmds] %E*n* [cmds]
Description:	Controls auto-retrain mode and fallback/fall-forward

Command	Function
í %E0	Auto-retrain disabled
%E1	Auto-retrain enabled

BREAK TYPE	
Type:	Configuration
Format:	AT [cmds] \K*n* [cmds]
Description:	Configures action of break signal. (*n*=0-2)