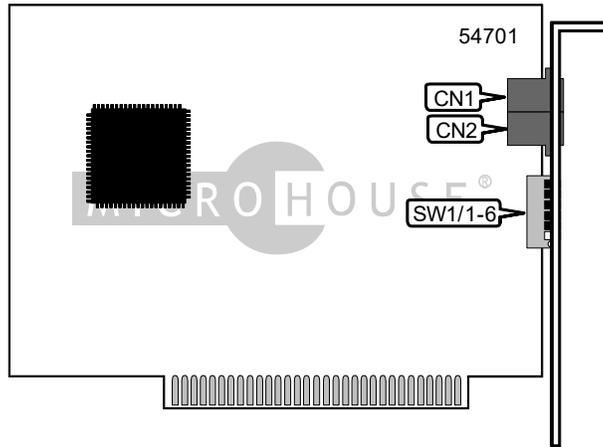


# MAXTECH CORPORATION

## 288B (RC288/R6)

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



CONNECTIONS			
Function	Label	Function	Label
RJ-11 line	CN1	RJ-11 line	CN2

SERIAL PORT ADDRESS		
Setting	SW1/1	SW1/2
COM1 (3F8h)	On	On
COM2 (2F8h)	Off	On
COM3 (3E8h)	On	Off
COM4 (2E8h)	Off	Off

INTERRUPT				
Setting	SW1/3	SW1/4	SW1/5	SW1/6
IRQ2/9	On	Off	Off	Off
IRQ3	Off	On	Off	Off
IRQ4	Off	Off	On	Off
IRQ5	Off	Off	Off	On

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SUPPORTED COMMAND SET	
<b>Basic AT Commands</b>	
AT, +++, A/	
A, E, H, M, P, Q, T, V, X, Y, Z	
&C, &G, &T, &V, &W, &Y, &Z	
Extended AT Commands	
\\A, \\B, \\C, \\E, \\G, \\J, \\K, \\O, \\Q, \\U, \\X, \\Y, \\Z	
%A	
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, S28	
<b>Note:</b> See MHI Help File for full command documentation.	

**PROPRIETARY AT COMMAND SET**

AUTO-FALLFORWARD/FALLBACK	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] &En [cmds]
<b>Description:</b>	Enables/disables auto fallforward/fallback
<b>Command</b>	<b>Function</b>
í &E0	Auto fallforward/fallback disabled
&E1	Auto fallforward/fallback enabled

COMMUNICATION PROTOCOLS	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] Bn [cmds]
<b>Description:</b>	Selects the communication protocol for data calls
<b>Note:</b> The B command allows the simultaneous selection of more than one suffix, enabling multiple protocols.	
<b>Command</b>	<b>Protocol</b>
B0	CCITT mode
í B1	Bell 212A at 300 or 1200bps
B2	Autoscan mode
B3	CCITT V.23 mode
B4	300bps
B5	1200bps
B6	2400bps
B7	4800bps
B8	9600bps
B9	14400bps
B10	16800bps
B11	19200bps
B12	21600bps
B13	24000bps
B14	26400bps
B15	28800bps

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

DATA SET READY (DSR)	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] &Sn [cmds]
<b>Description:</b>	Selects DSR options
<b>Command</b>	<b>Function</b>
i&S0	DSR forced high
&S1	DSR high only while modem is handshaking or connected

DATA TERMINAL READY (DTR)	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] &Dn [cmds]
<b>Description:</b>	Selects modem response to DTR
<b>Command</b>	<b>Function</b>
i&D0	DTR override
&D1	DTR toggle causes online command mode
&D2	Normal DTR operations
&D3	Resets on receipt of DTR

DIAL	
<b>Type:</b>	Immediate
<b>Format:</b>	AT [cmds] D<#> [cmds]
<b>Description:</b>	Dials telephone number according to any modifiers included in the string
<b>Note:</b>	Any combination of modifiers can be used to produce the desired dial functions in sequence.
<b>Command</b>	<b>Function</b>
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.

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FACTORY DEFAULT PROFILE	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] &F [cmds]
<b>Description:</b>	Sets values in active profile to values found in the default profile
<b>Command</b>	<b>Function</b>
&F0	Factory default profile with V.42bis/hardware flow control enabled
&F1	Factory default profile with software flow control enabled
&F2	Factory default profile with V.42bis/hardware flow control enabled
&F3	Factory default profile with software flow control enabled (Macintosh)
&F4	Factory default profile with V.42bis/hardware flow control enabled (Macintosh)
&F5	Factory default profile with V.42bis/hardware flow control disabled

HELP SCREEN	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] &H [cmds]
<b>Description:</b>	Displays help screen

LINE TYPE	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] &Ln [cmds]
<b>Description:</b>	Selects line type
<b>Command</b>	<b>Line Type</b>
&L0	Switched line (PSTN/Dial-up)
&L1	Leased-line
&L2	Auto-connect leased-line operation

ON-LINE	
<b>Type:</b>	Immediate
<b>Format:</b>	AT [cmds] On [cmds]
<b>Description:</b>	Controls on-line command (data transmission) state options.
<b>Note: The O command must be placed at the end of the command string.</b>	
<b>Command</b>	<b>Function</b>
O0	On-line command mode with no retraining enabled
O1	On-line command mode with retraining enabled
O2	On-line command mode with retraining and speed fall forward enabled
O3	On-line command mode with retraining and speed fall backward enabled

ORIGINATE MODE	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] &On [cmds]
<b>Description:</b>	Enables/disables originate-only mode
<b>Command</b>	<b>Line Type</b>
&O0	Originate-only mode disabled
&O1	Originate-only mode enabled

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

REPORT INFORMATION	
<b>Type:</b>	Immediate
<b>Format:</b>	AT [cmds] In [cmds]
<b>Description:</b>	Displays information requested
<b>Command</b>	<b>Function</b>
I0	Reports four digit product code
I1	Reports ROM checksum
I2	Reports internal memory test
I3	Reports firmware ID
I4	Reserved

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

**EXTENDED AT COMMAND SET**

AUTODETECT V.34 & V.FC	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] %Mn [cmds]
<b>Description:</b>	Controls autodetect for V.34 and V.FC negotiation signals
<b>Command</b>	<b>Function</b>
%M0	V.34 and V.FC autodetect enabled
%M1	V.34 autodetect enabled
%M2	V.FC autodetect enabled

AUTO-RETRAIN - AUTO-FALLBACK/FALL-FORWARD	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] %En [cmds]
<b>Description:</b>	Controls auto-retrain mode and fallback/fall-forward
<b>Command</b>	<b>Function</b>
%E0	Auto-retrain disabled
%E1	Auto-retrain enabled

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CALL-BACK SECURITY	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] %Sn [cmds]
<b>Description:</b>	Selects call-back security password options
<b>Command</b>	<b>Function</b>
%S0	Call-back security disabled
%S1	Call-back security with password check enabled
%S2	Password check only enabled

CLEAR-DOWN SIGNAL	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] %Dn [cmds]
<b>Description:</b>	Enables/disables clear-down signal
<b>Command</b>	<b>Function</b>
%D0	Clear-down signal disabled
%D1	Clear-down signal enabled

COMPRESSION	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] %Cn [cmds]
<b>Description:</b>	Selects data compression
<b>Command</b>	<b>Function</b>
%C0	Data compression disabled
%C1	MNP5 enabled

CONNECT MODE	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] \Nn [cmds]
<b>Description:</b>	Controls the type of connection the modem will operate in
<b>Command</b>	<b>Function</b>
\N0	Normal mode enabled
\N1	Direct mode enabled
\N2	MNP mode enabled
\N3	MNP or Normal mode enabled
\N4	V.42 mode enabled
\N5	V.42 or MNP reliable mode enabled
\N6	V.42/MNP/Normal mode enabled

EXTENDED RESULT CODES	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] \Vn [cmds]
<b>Description:</b>	Selects extended result codes
<b>Command</b>	<b>Function</b>
\V0	Reports DCE speed; extended result codes disabled
í \V1	Reports DCE speed; extended result codes enabled
\V2	Reports DTE speed; extended result codes disabled
\V3	Reports DTE speed; extended result codes enabled

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INACTIVITY TIMER	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] \Tn [cmds]
<b>Range:</b>	0-90
<b>Unit:</b>	1 second
<b>Description:</b>	Sets the length of time that the modem does not receive information before it disconnects.

LINE SIGNAL LEVEL	
<b>Type:</b>	Immediate
<b>Format:</b>	AT [cmds] %L [cmds]
<b>Range:</b>	0-15
<b>Unit:</b>	-1 dBm
<b>Description:</b>	Sets transmit level. Default=12

POWER-ON AUTO-CONNECT	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] %Pn [cmds]
<b>Description:</b>	Enables/disables power-on auto-connect
<b>Command</b>	<b>Function</b>
%P0	Power-on auto-connect disabled
%P1	Power-on auto-connect enabled

STORED PASSWORD	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] \P=n [cmds]
<b>Range:</b>	0-127
<b>Unit:</b>	ASCII
<b>Description:</b>	Stores password with a maximum of seven characters in NVRAM. \P=? displays stored password