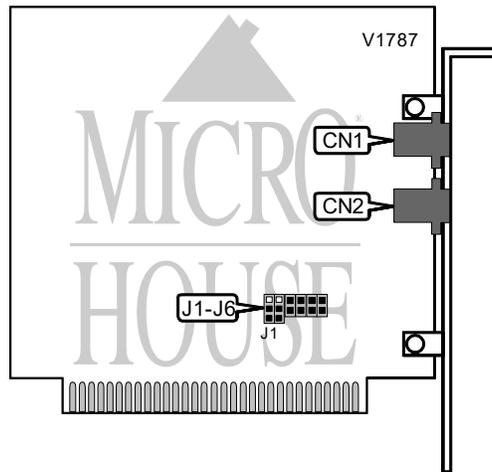


# MAXTECH CORPORATION

## MAXTECH 9424H

<b>Card Type</b>	Modem(asynchronous)
<b>Chip Set</b>	Unidentified
<b>Maximum Data Rate</b>	2400bps
<b>Maximum Fax Rate</b>	9600bps
<b>Data Bus</b>	8 bit ISA
<b>Fax Class</b>	Class I
<b>Data Modulation Protocol</b>	Bell 103A/212A
	ITU-T V.21, V.22, V.22bis
<b>Fax Modulation Protocol</b>	ITU-T V.21CH2, V.27ter, V.29
<b>Error Correction/Compression</b>	MNP5, V.42, V.42bis



CONNECTIONS				
Function	Label	Function	Label	
Line in	CN1	Line out	CN2	

SERIAL PORT ADDRESS			
Setting	J1	J2	
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	
COM4 (2E8h)	Pins 2 & 3 closed	Pins 2 & 3 closed	

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

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## Proprietary AT Command Set

BIT-MAPPED REGISTER S14		
<b>Format</b>	AT [cmds] S14= <i>n</i> [cmds]	
<b>Default:</b>	170	
<b>Range:</b>	0 - 174	
<b>Unit:</b>	Bit-mapped	
<b>Description:</b>	Controls command echo, result codes, dialing mode, and answer/originate mode	
Bit	Value	Function
0	0	Not used
1	0	Command echo off
	1	Command echo on
2	0	Result codes enabled
	1	Result codes disabled
3	0	Numeric result codes
	1	Verbose result codes
4	0	Not used
5	0	Tone dialing selected
	1	Pulse dialing selected
6	0	Not used
7	0	Answer mode selected
	1	Originate mode selected

BIT-MAPPED REGISTER S21		
<b>Format</b>	AT [cmds] S21= <i>n</i> [cmds]	
<b>Default:</b>	0	
<b>Range:</b>	0 - 249	
<b>Unit:</b>	Bit-mapped	
<b>Description:</b>	Selects jack type, low DTR action, DCD signal, DSR signal, and the Long Space Disconnect function	
Bit	Value	Function
0	0	Selects RJ-11jack
	1	Selects RJ-12 or RJ-13 jack
1	0	Not used
2	0	Not used
4, 3	00	DTR signal ignored
	01	Modem goes to command mode on low DTR
	10	Modem disconnects on low DTR
	11	Modem is initialized on low DTR
5	0	DCD forced high
	1	DCD normal
6	0	DSR forced high
	1	DSR normal
7	0	Long Space Disconnect function disabled
	1	Long Space Disconnect function enabled

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BIT-MAPPED REGISTER S22		
<b>Format</b>	AT [cmds] S22= <i>n</i> [cmds]	
<b>Default:</b>	118	
<b>Range:</b>	0 - 255	
<b>Unit:</b>	Bit-mapped	
<b>Description:</b>	Controls volume and speaker settings, result codes, and make/break pulse ratio	
Bit	Value	Function
1, 0	00	Not used
	í 01	Low volume setting
	10	Medium volume setting
	11	Highest volume setting
3, 2	00	Speaker disabled
	í 01	Speaker enabled until carrier signal detected
	10	Speaker enabled
	11	Speaker off during dialing
6, 5, 4	000	Busy and dialtone detection disabled, result codes 0-4 enabled
	001	Not used
	010	Not used
	011	Not used
	100	Busy and dialtone detection disabled, result codes 0-5, 10 enabled
	101	Busy tone detection disabled, dialtone detection enabled, result codes 0-6, 10 enabled
	110	Busy tone detection enabled, dialtone detection disabled, result codes 0-5, 7, 10 enabled
í 111	Busy and dialtone detection enabled, all result codes enabled	
7	í 0	39/61ms at 10pps (North America)
	1	33/67ms at 10pps (Europe)

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BIT-MAPPED REGISTER S23		
<b>Format</b>	AT [cmds] S23= <i>n</i> [cmds]	
<b>Default:</b>	7	
<b>Range:</b>	0-247	
<b>Unit:</b>	Bit-mapped	
<b>Description:</b>	Grants/denies remote digital loopback, connect speed, parity and guard tone	
Bit	Value	Function
0	0	Remote digital loopback denied
	í 1	Remote digital loopback allowed
2, 1	00	Connect at 0-300bps
	01	Not used
	10	Connect at 1200bps
	í 11	Connect at 2400bps
3	0	Not used
5, 4	í 00	Parity even
	01	Space parity
	10	Parity odd
	11	No Parity
7, 6	í 00	Guard tone disabled
	01	Guard tone 550Hz enabled
	10	Guard tone 1800Hz enabled
	11	Not used

BIT-MAPPED REGISTER S27		
AT [cmds] S27= <i>n</i> [cmds]		
64		
0-127		
Asynchronous operation, leased/switched line, ITU-U/Bell operation		
Value	Function	
í 0x00	Asynchronous operation	
	í 0	Switched line
	1	Leased line
	0	Not used
	0	Not used
	0	V.21/V.22
	í 1	Bell 212A

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TEST STATUS		
<b>Format</b>	AT [cmds] S16= <i>n</i> [cmds]	
<b>Default:</b>	0	
<b>Range:</b>	0 - 122	
<b>Unit:</b>	Bit-mapped	
<b>Description:</b>	Contains status of loopback tests	
Bit	Value	Function
0	0	Local analog loopback test disabled
	1	Local analog loopback test enabled
1	0	Not used
2	0	Local digital loopback test disabled
	1	Local digital loopback test enabled
3	0	Remote digital loopback test disabled
	1	Remote digital loopback test enabled
4	0	Remote digital loopback test not in progress
	1	Remote digital loopback test in progress
5	0	Remote digital loopback test with test and error disabled
	1	Remote digital loopback test with test and error enabled
6	0	Local digital loopback test with self test disabled
	1	Local digital loopback test with self test enabled