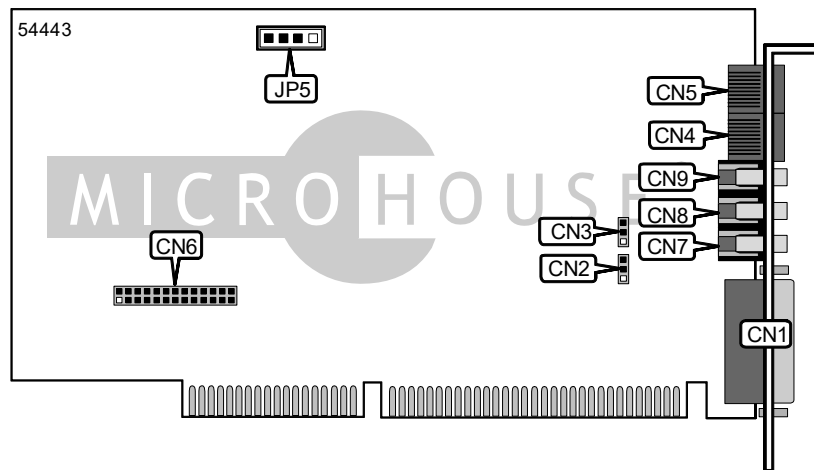


ACER, INC. MAGIC MP32

Card Type	Modem, Fax, Sound card
Chip Set	Unidentified
I/O Options	CD-ROM interface, microphone, audio line in, audio line out, wavetable interface
Maximum Modem Rate	33.6Kbps
Maximum Fax Rate	14.4Kbps
Data Modulation Protocol	Bell 103/212A
Fax Modulation Protocol	ITU-T V.22, V.22bis, V.23, V.32, V.32bis, V.34, V.34bis
Error Correction/Compression	ITU-T V.17, V.21CH2, V.27ter, V.29, V.33
Fax Class	MNP5, V.42, V.42bis
Data Bus	Class I & II
Card Size	16-bit ISA
	Full-length, full-height card



CONNECTIONS			
Function	Label	Function	Label
MIDI/Game port	CN1	Wave table interface	CN6
Telephone line in	CN4	Speaker/Line out	CN7
Telephone line out	CN5	Line in	CN8
Microphone in	CN9	CD-Audio	JP5

SPEAKER/LINE OUT SETTINGS			
Function	CN2		CN3
Speaker mode enabled (CN7)	Pins 1 & 2 closed		Pins 1 & 2 closed
Line out function enabled	Pins 2 & 3 closed		Pins 2 & 3 closed

Continued on next page . . .

. . . continued from previous page

SUPPORTED COMMAND SET	
Basic AT Commands	
AT, A/	
A, B, C, D, E, H, M, O, P, Q, T, V, W, X, Y, Z	
&C, &F, &P, &Q, &R, &V, &W, &Y, &Z	
Extended AT Commands	
\A, \B, \K, \N, \V,	
%C, %E, %L, %Q, %TT	
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, S29, S30, S31, S32, S33, S36, S37, S38, S39, S40, S41, S46, S48, S82, S86, S91,	
S92, S95	
Special Commands	
#CID, +MS, #BDR, #CLS, MDL?, #MFR?, #REV?, #TL, #VBQ?, #VBS, #VBT, #VCI?, #VLS, #VRA, #VRN,	
#VRX, #VSD, #VSK, #VSP, #VSR, #VSS, #VTD, #VTM, #VTS, #VTX	
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	Auto-mode detection disabled
N1	Auto-mode detection enabled

CLOCK SOURCE - SYNCHRONOUS TRANSMIT	
Type:	Configuration
Format:	AT [cmds] &Xn [cmds]
Description:	Selects DTE transmit clock source
Command	Function
&X0	Modem generates clock
&X1	Modem generates clock from the receive carrier signal

COMMUNICATIONS MODE	
Type:	Configuration
Format:	AT [cmds] &Mn [cmds]
Description:	Selects communications mode
Command	Mode
&M0	Asynchronous mode
&M1	Synchronous connect mode and asynchronous off-line command mode.
&M2	Synchronous connect mode and asynchronous off-line command mode and set DTR high.
&M3	Synchronous connect mode and asynchronous off-line command mode and set DTR to low.

Continued on next page . . .

. . . continued from previous page

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

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				
&Q Setting	&D0	&D1	&D2	&D3
&Q0, &Q5, &Q6	Command 0	Command 1	Command 2	Command 3
&Q1, &Q4	Command 2	Command 1	Command 2	Command 3
&Q2, &Q3	Command 2	Command 2	Command 2	Command 2
Command		Function		
Command 0	Modem does not respond to DTR			
Command 1	Modem goes to command mode after DTR goes is off			
Command 2	Modem goes to command mode and disconnects (hangs up) after DTR goes off.			
Command 3	Modem is initialized after DTR goes off			

FLOW CONTROL	
Type:	Configuration
Format:	AT [cmds] &Kn [cmds]
Description:	Enables flow control options
Command	Function
&K0	Flow control disabled
&K3	RTS/CTS and DTE/DCE flow control enabled
&K4	XON/XOFF and DTE/DCE flow control enabled
&K5	Transparent XON/XOFF flow control enabled
&K6	RTS/CTS and XON/XOFF flow control enabled

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

Continued on next page . . .

. . . continued from previous page

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	Reports OK
I3	Reports firmware revision, model and interface type
I4	Reports response programmed by OEM
I5	Reports the country code parameter
I6	Reports modem data pump model and code revision

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

TEST MODES	
Type:	Immediate
Format:	AT [cmds] &Tn
Description:	Selects test options
Command	Function
&T0	End current test
&T1	Begin local analog loopback test
&T2	Returns error result code
&T3	Begin local digital loopback
&T4	Grant remote digital loopback request
&T5	Deny remote digital loopback request
&T6	Request remote digital loopback
&T7	Request remote digital loopback and self-test
&T8	Begin local analog loopback and self-test

S(status) -REGISTERS

AUTOSYNC OPTIONS	
Type:	Register
Format	AT [cmds] S19=n
Default:	0
Description:	Enables selection of the autosync options

Continued on next page . . .

ACER, INC.
MAGIC MP32

. . . continued from previous page

AUTOSYNC OR BSC SYNC ENABLED	
Type:	Register
Format	AT [cmds] S20=n
Default:	0
Description:	Enables autosync HDLC address or BSC sync characters