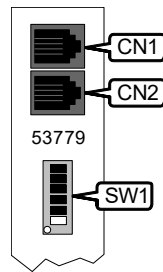


# LOGICODE TECHNOLOGY, INC.

## 14.4HV

<b>Card Type</b>	Modem (synchronous/asynchronous)
<b>Chipset</b>	Unidentified
<b>Maximum Data Rate</b>	14.4Kbps
<b>Data Modulation</b>	Unidentified (V.32 maximum)
<b>Error</b>	MNP5, V.42, V.42bis
<b>Correction/Compression</b>	
<b>Data Bus</b>	8-bit ISA
<b>Card Size</b>	Unidentified



CONNECTIONS			
Function	Label	Function	Label
Telephone line	CN1	Telephone line	CN2

SERIAL PORT CONFIGURATION							
Address	IRQ	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
COM1:	4	Off	On	Off	Off	On	On
COM2:	3	On	Off	Off	Off	On	Off
COM3:	4	Off	On	Off	Off	Off	On
COM4:	3	On	Off	Off	Off	Off	Off

SUPPORTED STANDARD COMMANDS	
Basic AT Commands	
+++ , 'comma' , A/	
A, B, E, F, H, L, M, N, O, P, Q, T, V, W, X, Y, Z	
&C, &D, &F, &G, &J, &K, &L, &P, &R, &S, &T, &V, &W, &X, &Y, &Z	
Extended AT Commands	
\A, \B, \G, \K, \L, \N, \O, \T, \U, \Y, \Z	
%C, %E, %L, %Q	
S-Registers	
S0, S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S18, S25, S26, S30, S36, S38, S46	
S48, S82, S86, S91, S95	
Note: See MHI help file for complete information.	

Continued on next page. . .

. . . continued from previous page

UNIDENTIFIED COMMANDS	
Command	Default
S14	0
S16	0
S21	0
S22	118
S23	7
S27	64
S40	57
S41	1

## Proprietary AT Command Set

COMMUNICATIONS MODE	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] &Qn [cmds]
<b>Description:</b>	Selects communications mode options.
Command	Mode
&Q0	Asynchronous direct mode.
&Q1	Asynchronous off-line command mode and synchronous connect mode.
&Q2	Asynchronous off-line command mode - modem autodialed first number in directory, then synchronous connect mode.
&Q3	Asynchronous off-line command mode on low DTR, synchronous connect mode on high DTR.
&Q5	Asynchronous auto-reliable mode.
&Q6	Asynchronous normal mode.
&Q8	Asynchronous MNP auto-reliable mode.
&Q9	Asynchronous V.42bis auto-reliable mode.

DIAL	
<b>Type:</b>	Immediate
<b>Format:</b>	AT [cmds] D<#>[cmds]
<b>Description:</b>	Dials the telephone number indicated according to any modifiers included in the string.
Command	Function
DL	Re-dial last number.
DP	Pulse dialing enabled.
DR	Answer mode enabled; originate mode disabled following handshake initiation.
DS= <i>n</i>	Dial stored telephone number <i>n</i> .
DT	Tone dialing enabled.
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.

Continued on next page. . .

# LOGICODE TECHNOLOGY, INC.

## 14.4HV

. . . continued from previous page

DIAL (CON'T)	
Command	Function
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^	Calling tone disabled for this call.
D;	Modem returned to idle state after dialing. The semicolon can only be placed at the end of the dial command.

DISPLAY INFORMATION	
Type:	Immediate
Format:	AT [cmds] ln [cmds]
Description:	Displays information requested about the modem.
Command	Function
I0	Displays product identification code.
I1	Displays ROM checksum.
I2	Tests and displays ROM checksum result.
I3	Displays firmware revision.

ECHO CANCELLATION OPTIMIZATION	
Type:	Immediate (on next dial)
Format:	AT [cmds] \E1 [cmds]
Description:	Sets the modem to optimize its echo cancellation circuit to match the telephone system the next time a call is placed. The result is immediately stored in NVRAM.

LINE SPEED	
Type:	Register
Format:	AT [cmds] S37=n [cmds]
Description:	Sets the maximum allowable data exchange rate attempted during the handshaking process.
Command	Function
f S37=0	Attempt to connect at fastest common speed.
S37=1	Set speed to 300bps.
S37=2	Set speed to 300bps.
S37=3	Set speed to 300bps.
S37=5	Set speed to 1200bps.
S37=6	Set speed to 2400bps.
S37=8	Set speed to 4800bps.
S37=9	Set speed to 9600bps.
S37=10	Set speed to 12Kbps.
S37=11	Set speed to 14.4Kbps.
S37=12	Set speed to 7200bps.

Continued on next page. . .

# LOGICODE TECHNOLOGY, INC.

## 14.4HV

. . . continued from previous page

V.42bis COMPRESSION MODE	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] %Mn [cmds]
<b>Description:</b>	Selects which directions of data transfer V.42bis compression will be used.
Command	Function
%M0	Compression disabled.
%M1	Compression enabled on transmit only.
%M2	Compression enabled on receive only.
í %M3	Bidirectional compression enabled.

V.42bis DICTIONARY CLEAR	
<b>Type:</b>	Immediate
<b>Format:</b>	AT [cmds] %P [cmds]
<b>Description:</b>	Clears the V.42bis dictionary if V.42bis mode is enabled.

V.42bis DICTIONARY SIZE	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] %Dn [cmds]
<b>Description:</b>	Selects the size of the V.42bis dictionary.
Command	Function
%D0	512 byte dictionary selected.
%D1	1024 byte dictionary selected.
í %D2	2048 byte dictionary selected.
%D3	4096 byte dictionary selected on unidirectional compression, 2048 byte dictionary selected on bidirectional compression.

V.42bis STRING LENGTH	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] %Sn [cmds]
<b>Default:</b>	32
<b>Range:</b>	6 - 250
<b>Unit:</b>	1 byte
<b>Description:</b>	Sets the maximum number of characters that may be compressed into a single V.42bis token.