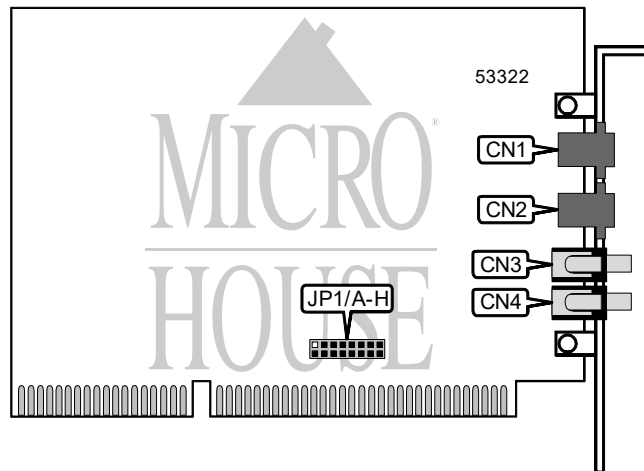


# BOCA RESEARCH, INC.

## MULTIMEDIA MODEM FDV14I, MULTIMEDIA MODEM FDVV14I

<b>Card Type</b>	Modem (asynchronous)
<b>Chipset</b>	Rockwell
<b>I/O Options</b>	Microphone in, speaker out, voice
<b>Maximum Data Rate</b>	14.4Kbps
<b>Maximum Fax Rate</b>	14.4Kbps
<b>Data Modulation</b>	Bell 103A/212A ITU-T V.21, V.22, V.22bis, V.23, V.32, V.32bis
<b>Fax Modulation</b>	ITU-T V.17, V.21CH2, V.27ter, V.29
<b>Error Correction/Compression</b>	MNP5, MNP10, V.42, V.42bis
<b>Fax Class</b>	Class I & II
<b>Data Bus</b>	8/16 bit ISA
<b>Card Size</b>	Full height, half length



CONNECTIONS			
Function	Label	Function	Label
Telephone line out	CN1	Microphone in	CN3
Telephone line in	CN2	Speaker out	CN4

INTERRUPT SELECTION				
Setting	JP1/A	JP1/B	JP1/C	JP1/D
3	Closed	Open	Open	Open
4	Open	Closed	Open	Open
5	Open	Open	Closed	Open
7	Open	Open	Open	Closed

SERIAL PORT ADDRESS SELECTION				
Setting	JP1/E	JP1/F	JP1/G	JP1/H
3F8h (COM1:)	Closed	Open	Open	Open
2F8h (COM2:)	Open	Closed	Open	Open
3E8h (COM3:)	Open	Open	Closed	Open
2E8h (COM4:)	Open	Open	Open	Closed

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SUPPORTED STANDARD COMMANDS	
<b>Basic AT Commands</b>	
+++ , A/	
A, C, E, H, L, M, N, O, Q, V, W, X, Y, Z	
&C, &D, &F, &K, &P, &Q, &S, &T, &V, &W, &Y, &Z	
<b>Extended AT Commands</b>	
\A, \B, \G, \K, \L, \N, \W	
%C, %E, %F, %L, %Q	
<b>Special AT Commands</b>	
*H	
<b>S-Registers</b>	
S0, S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S12, S14, S16, S18, S21, S22, S24, S25, S26	
S27, S30, S32, S33, S38, S46, S48, S82, S86, S91, S92, S95	
Note: See MHI help file for complete information.	

UNIDENTIFIED COMMANDS	
Command	Default
S23	7
S28	Unidentified
S36	Unidentified
S39	Unidentified
S40	Unidentified
S41	Unidentified

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**Proprietary AT Command Set**

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.
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.
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^	Disable calling tone 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	
<b>Type:</b>	Immediate
<b>Format:</b>	AT [cmds] I <i>n</i> [cmds]
<b>Description:</b>	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.

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LINE SPEED	
<b>Type:</b>	Register
<b>Format</b>	AT [cmds] S37= <i>n</i> [cmds]
<b>Description:</b>	Sets the maximum connect speed attempted during handshake process.
Command	Function
í S37=0	Auto-detect the highest common connect speed.
S37=1	Attempt to connect at 300bps.
S37=2	Attempt to connect at 300bps.
S37=3	Attempt to connect at 300bps.
S37=5	Attempt to connect at 1200bps.
S37=6	Attempt to connect at 2400bps.
S37=7	Attempt to connect with V.23 at 1200/75bps.
S37=8	Attempt to connect at 4800bps.
S37=9	Attempt to connect at 9600bps.
S37=10	Attempt to connect at 12Kbps.
S37=11	Attempt to connect at 14.4Kbps.
S37=12	Attempt to connect at 7200bps.

PROTOCOL/SPEED	
<b>Type:</b>	Configuration
<b>Format:</b>	AT [cmds] F <i>n</i> [cmds]
<b>Description:</b>	Selects the protocol and speed the modem will attempt to connect at.
Command	Function
í F0	Auto-detect the highest common connect speed.
F1	Select V.22 or Bell 212A at 1200bps speed.
F3	Select V.23 at 75/1200bps speed.
F4	Select V.22bis at 2400bps speed.
F6	Select V.32 or V.32bis at 4800bps speed.
F7	Select V.32bis at 7200bps speed.
F8	Select V.32bis or V.32 at 9600bps speed.
F9	Select V.32bis at 12Kbps speed.
F10	Select V.32bis at 14.4Kbps speed.