EVEREX SYSTEMS,INC.
EVERCOM INTERNAL MODEM

Card Type	Modem (asynchronous)
Chip Set	Unidentified
Maximum Data Rate	2400bps
Data Bus	8-bit ISA
Data Modulation Protocol	Bell 103/212A
	ITU-T V.22, V.22bis
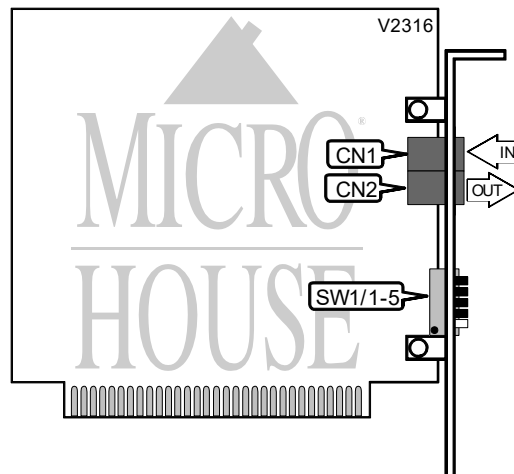
CONNECTIONS			
Function	Label	Function	Label
Line in	CN1	Line out	CN2

USER CONFIGURABLE SETTINGS		
Setting	Label	Position
í DCD normal	SW1/4	Off
DCD forced high	SW1/4	On
í RJ11, RJ14, RJ41S, or RJ45 jack type	SW1/5	Off
RJ12 or RJ13	SW1/5	On

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

INTERRUPT SELECTION	
SETTING	SW1/3
IRQ2 (IBM PC/XT) or IRQ9 (IBM AT)	On
í IRQ3 or IRQ4	Off

EVEREX SYSTEMS,INC.
E V E R C O M   I N T E R N A L   M O D E M

SUPPORTED COMMAND SET
Basic AT Commands
AT, '+++', 'Comma', A/
A, B, D, E, F, H, L, M, O, Q, S, V, X, Y, Z
&D, &G, &L, &P, &T
S Registers
S0, S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S14, S16, S18, S20, S22, S23, S27
Note: See MHI Help file for full command documentation.

BIT-MAPPED REGISTER S21		
Format	AT [cmds] S21=*n* [cmds]	
Default:	0	
Range:	0-184	
Unit:	Bit-mapped	
Description:	Selects jack type, CTS/DCD/DSR signals, low DTR action, and the long space disconnect function.	
Bit	Value	Function
2 - 0	0	Not used
4, 3	í 00	DTR signal ignored
	01	Modem goes to command mode on low DTR
	10	Modem disconnects on low DTR; Auto-Answer is disabled.
	11	Modem is initialized on low DTR
5	0	DCD forced high
	í 1	DCD normal
6	0	Not used
7	í 0	Long space disconnect function disabled
	1	Long space disconnect function enabled

BIT-MAPPED REGISTER S22		
Format	AT [cmds] S22=*n* [cmds]	
Default:	118	
Range:	0-255	
Unit:	Bit-mapped	
Description:	Controls speaker volume and controls, dial mode, call progress, connect message, and pulse dial make/break ratio.	

Bit	Value	Function
1, 0	00	Low volume
	01	Low level volume
	í 10	Medium level volume
	11	High level volume
3, 2	00	Speaker off
	í 01	Speaker off on carrier
	10	Speaker always on
	11	Speaker on during handshake
4	0	Blind dial
	í 1	Wait for dial tone then proceed with the call
5	0	Call progress disabled
	í 1	Call progress enabled
6	0	'CONNECT' message only
	í 1	'CONNECT XXXX' message
7	í 0	39/61ms at 10pps (North America)
	1	33/67ms at 10pps (Europe)

BIT-MAPPED REGISTER S27		
Format	AT [cmds] S27=*n* [cmds]	
Default:	64	
Range:	0-66	
Unit:	Bit-mapped	
Description:	Selects line type, and ITU-T/Bell modes.	

Bit	Value	Function
1, 0	00	Not used
2	í 0	Switched line
	1	Leased line
5 - 3	000	Not used
6	0	ITU/T mode
	í 1	Bell mode

REPORT INFORMATION	
Type:	Immediate
Format:	AT [cmds] I*n* [cmds]
Description:	Displays information requested

Command	Function
I0	Reports product code
I1	Reports ROM checksum
I2	Reports current speed, data bits, and parity