NEWCOM, INC.
56KIFXSP (A)

Card Type	Modem (asynchronous)
Chip Set	Unidentified
I/O Options	Microphone, speaker/line out
Maximum Modem Rate	56Kbps
Maximum Fax Rate	14.4Kbps
Data Modulation Protocol	Bell 103A/212A
	V.34, V.32bis, V.32, V.23, V.22bis, V.22, V.21, K56flex, V.90
Fax Modulation Protocol	V.17, V.29, V.27ter, V.21CH2
Error Correction/Compression	V.42, MNP10, V.42bis, MNP5
Fax Class	Class I & II
Data Bus	16-bit ISA

54807
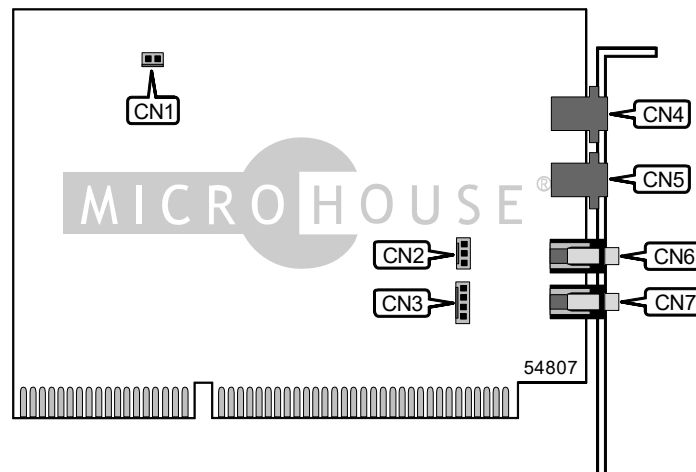
CONNECTIONS			
Function	**Label**	**Function**	**Label**
Wake on ring	CN1	Line out	CN5
Microphone - internal	CN2	Microphone - external	CN6
TAD (sound card) connector	CN3	Speaker/line out	CN7
Line in	CN4		

SUPPORTED COMMAND SET
Basic AT Commands
AT, A/
A, C, E, H, M, N, O, P, Q, T, V, W, X, Y, Z
&C, &D, &J, &L, &M, &P, &Q, &R, &T, &V, &W, &X, &Y, &Z
Extended AT Commands
\A, \B, \G, \K, \L, \N
%C, %Q
S-Registers
A list of S-registers was unavailable
Note: See MHI Help File for full command documentation.

Proprietary AT Command Set

COMMUNICATION PROTOCOLS	
Type:	Configuration
Format:	AT [cmds] B*n* [cmds]
Description:	Selects the communication protocol for data calls
Note: **The B command allows the simultaneous selection of more than one suffix, enabling multiple protocols.**	
Command	**Protocol**
B0	ITU-T V.22 at 300 or 1200bps
B1	Bell 212A at 300 or 1200bps
B15	V.21 connection at 300bps
B16	Bell 103 connection at 300bps

DIAL	
Type:	Immediate
Format:	AT [cmds] D<#> [cmds]
Description:	Dials telephone number according to any modifiers included in the string
Note:	Any combination of modifiers can be used to produce the desired dial functions in sequence.
Command	**Function**
DL	Re-dial last number
DP	Pulse dialing enabled
DR	Answer mode enabled; originate mode disabled following handshake initiation.
DS=n	Dial stored telephone number *n*
DT	Tone dialing enabled/Pulse dialing disabled
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 Quite 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^	Turns on the periodic 1300Hz calling tone.
D;	Modem returned to idle state after dialing. The semicolon can only be placed at the end of the dial command.

LINE MODULATION	
Type:	Configuration
Format:	AT [cmds] F*n* [cmds]
Description:	Selects line modulation
Note: **This command is only supported on older modems**	
Command	**Function**
F0	Auto-detect mode
F1	V.21 or Bell 103
F3	V.23
F4	V.22 or Bell 212A @ 1200bps
F5	V.22bis
F6	V.32bis or V.32 @ 4800bps
F7	V.32bis @ 7200bps
F8	V.32bis for V.32 @ 9600bps
F9	V.32bis @ 12000bps
F10	V.32bis @ 14400bps

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	Tests and reports ROM checksum
I3	Reports firmware revision level
I4	Reports product capabilities
I5	Reports country code
I6	Reports modem data pump control

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

FACTORY DEFAULT PROFILE	
Type:	Configuration
Format:	AT [cmds] &F [cmds]
Description:	Sets values in active profile to values found in the default profile
Command	**Function**
&F0	Restore factory profile 0
&F1	Restore factory profile 1

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GUARD TONE	
Type:	Configuration
Format:	AT [cmds] &G*n* [cmds]
Description:	Commands the modem to transmit a guard tone in V.22/V.22bis
Note: **Used primarily for international data transmission**	

Command	Function
í &G0	Guard tone disabled
&G1	Guard tone disabled
&G2	1800Hz guard tone enabled

FLOW CONTROL	
Type:	Configuration
Format:	AT [cmds] &K*n* [cmds]
Description:	Enables flow control options

Command	Function
&K0	Flow control disabled
í &K3	RTS/CTS flow control enabled
&K4	XON/XOFF flow control enabled
&K5	Transparent XON/XOFF flow control enabled
&K6	RTS/CTS, XON/XOFF, and DTE/DCE flow control enabled

DATA SET READY (DSR)	
Type:	Configuration
Format:	AT [cmds] &S*n* [cmds]
Description:	Selects DSR options

Command	Function
&S0	DSR forced high
í &S1	DSR high only while modem is handshaking or connected

Extended AT Commands

AUTO-RETRAIN - AUTO-FALLBACK/FALL-FORWARD	
Type:	Configuration
Format:	AT [cmds] %E*n* [cmds]
Description:	Controls auto-retrain mode and fallback/fall-forward

Command	Function
%E0	Auto-retrain disabled
%E1	Auto-retrain enabled