COMPUTER PERIPHERALS, INC.
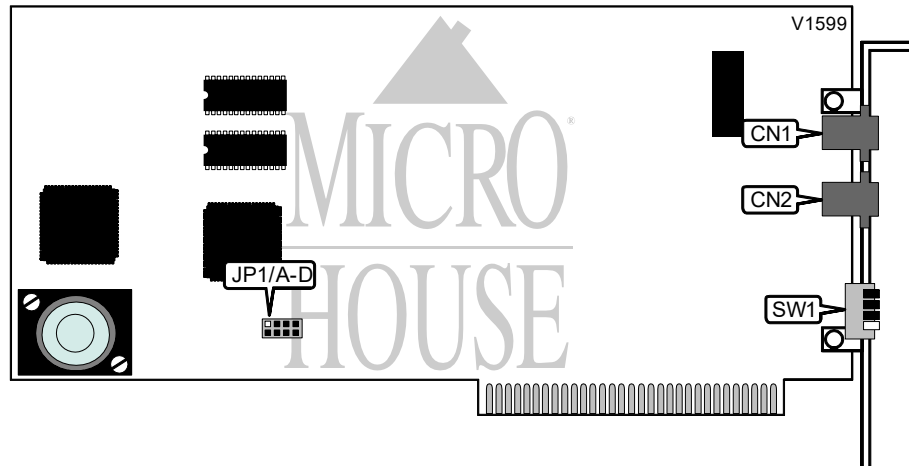# VIVA 14.4/FAX INTERNAL

Modem Type   Data (synchronous/asynchronous)/Fax
Maximum Data Rate   14.4Kbps
Maximum Fax Rate   14.4Kbps
Data Bus   8-bit ISA
Fax Class   Class I & II
Data Modulation Protocol   Bell 103A/212A
                                        ITU-T V.21, V.22, V.22bis, V.23, V.32, V.32bis
Fax Modulation Protocol   ITU-T V.17, V.27ter, V.29
Error Correction/Compression   MNP5, V.42, V.42bis

CONNECTIONS			
Purpos	Location	Purpos	Location
Line out	CN1	Line in	CN2

BASE I/O ADDRESS SELECTION				
Port	SW1/1	SW1/2	SW1/3	SW1/4
COM1: (3F8h)	On	Off	Off	Off
COM2: (2F8h)	Off	On	Off	Off
COM3: (3E8h)	Off	Off	On	Off
í COM4: (2E8h)	Off	Off	Off	On

INTERRUPT SELECTION				
IRQ	JP1/A	JP1/B	JP1/C	JP1/D
2	Open	Open	Open	Closed
í 3	Closed	Open	Open	Open
4	Open	Closed	Open	Open
5	Open	Open	Closed	Open

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Proprietary AT Command Set

AUTO-RETRAIN	
Type:	Configuration
Format:	AT [cmds] %E*n* [cmds]
Description:	Selects auto-retrain mode

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

BIT-MAPPED REGISTERS	
Register	Default
S14	138
S16	0
S21	4
S22	117
S23	183
S27	9
S28	0
S31	2
S40	105
S41	195
S80	Unidentified

BREAK SEND	
Type:	Configuration
Format:	AT [cmds] \B*n* [cmds]
Default:	Unidentified
Range:	Unidentified
Unit:	.1 second
Description:	Sends break to modem

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BREAK TYPE			
Type:	Configuration		
Format:	AT [cmds] \K*n* [cmds]		
Description:	Configures action of break signal		
Command	**Break from DTE**	**Modem receives \B**	**Break from remote modem**
\K0	Enter command mode, do not send break to remote modem	Buffers cleared and break sent to remote modem	Buffers cleared and break sent to DTE
\K1	Buffers cleared and break sent to remote modem	Buffers cleared and break sent to remote modem	Buffers cleared and break sent to DTE
\K2	Enter command mode, do not send break to remote modem	Send break to remote modem immediately	Send break to DTE immediately
\K3	Send break to remote modem immediately	Send break to remote modem immediately	Send break to DTE immediately
\K4	Enter command mode, do not send break to remote modem	Send break to remote modem with transmitted data	Break sent with received data to the DTE
í \K5	Send break with transmitted data	Send break to remote modem with transmitted data	Break sent with received data to the DTE

COMPRESSION	
Type:	Configuration
Format:	AT [cmds] %C*n* [cmds]
Description:	Selects data compression
Command	**Function**
%C0	Data compression disabled
%C1	MNP5 enabled
%C2	V.42bis enabled
í %C3	MNP5 and V.42bis enabled

CONNECT MODE	
Type:	Configuration
Format:	AT [cmds] \N*n* [cmds]
Description:	Sets connect mode
Command	**Function**
\N0	Normal mode enabled
\N1	Direct mode enabled
\N2	Reliable mode enabled
í \N3	Auto-reliable mode enabled
\N4	LAP-M mode only enabled
\N5	MNP mode only enabled

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DISPLAY CURRENT COMMAND STATUS	
Type:	Immediate
Format:	AT [cmds] \S [cmds]
Description:	Displays current setting of modem commands

DISPLAY STORED NUMBERS	
Type:	Immediate
Format:	AT [cmds] \F [cmds]
Description:	Displays all stored phone numbers

FAX TRANSMIT LEVEL	
Type:	Register
Format:	AT [cmds] S92=*n* [cmds]
Default:	10
Range:	0-15
Unit:	-1dBm
Description:	Controls fax transmission level

FLOW CONTROL	
Type:	Configuration
Format:	AT [cmds] \G*n* [cmds]
Description:	Selects modem port flow control

Command	Function
(\G0	Flow control disabled
\G1	Flow control enabled

FLOW CONTROL CHARACTER - XOFF	
Type:	Register
Format:	AT [cmds] S33=*n* [cmds]
Default:	19
Range:	0-255
Unit:	ASCII
Description:	Sets the character used to represent XOFF

FLOW CONTROL CHARACTER - XON	
Type:	Register
Format:	AT [cmds] S32=*n* [cmds]
Default:	17
Range:	0-255
Unit:	ASCII
Description:	Sets the character used to represent XON

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LEASED LINE TRANSMISSION LEVEL	
Type:	Register
Format:	AT [cmds] S99=*n* [cmds]
Default:	10
Range:	0-15
Unit:	-1 dBm
Description:	Sets the signal level for transmission when in leased-line mode

LINE SIGNAL LEVEL	
Type:	Immediate
Format:	AT [cmds] %L [cmds]
Description:	Returns received line signal level

LINE TYPE	
Type:	Configuration
Format:	AT [cmds] %M*n* [cmds]
Description:	Selects AUXCTL output

Command	Function
%M0	AUXCTL output low enabled
%M1	AUXCTL output high enabled

MAXIMUM BLOCK SIZE FOR TRANSMISSION	
Type:	Configuration
Format:	AT [cmds] \A*n* [cmds]
Description:	Sets the maximum transmittable block size

Command	Function
\A0	MNP block size is 64 characters
\A1	MNP block size is 128 characters
\A2	MNP block size is 192 characters
í \A3	MNP block size is 256 characters

MNP STREAM/BLOCK MODE	
Type:	Configuration
Format:	AT [cmds] \L*n* [cmds]
Description:	Selects the transfer mode for MNP

Command	Function
í \L0	Stream mode for MNP enabled
\L1	Block mode for MNP enabled

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PSTN TRANSMIT LEVEL	
Type:	Register
Format:	AT [cmds] S91=*n* [cmds]
Default:	10
Range:	0-15
Unit:	-1dBm
Description:	Controls PSTN transmission level

REPORT LINE SIGNAL QUALITY	
Type:	Immediate
Format:	AT [cmds] %Q [cmds]
Description:	Reports line signal quality. If the value is greater than 7, the modem will retrain.

SLEEP TIMER	
Type:	Register
Format	AT [cmds] S24=*n* [cmds]
Default:	0
Range:	0-255
Unit:	1 second
Description:	Maximum duration of DTE and DCE inactivity allowed prior to initiating low-power sleep mode

TEST MODE - PTT	
Type:	Immediate
Format:	AT [cmds] %T [cmds]
Description:	Send PTT test signals for European line test

V.23 SPLIT BAUD MODE	
Type:	Configuration
Format:	AT [cmds] \W*n* [cmds]
Description:	Controls V.23 split baud mode
Command	**Function**
\W0	V.23 split baud mode disabled
\W1	V.23 split baud mode enabled

V.23 SPEED DIRECTION	
Type:	Configuration
Format:	AT [cmds] %F*n* [cmds]
Description:	Selects V.23 speed and direction
Command	**Function**
%F1	1200bps receive/75bps transmit enabled
%F2	1200bps transmit/75bps receive enabled