Data (synchronous/asynchronous)/Fax/Voice

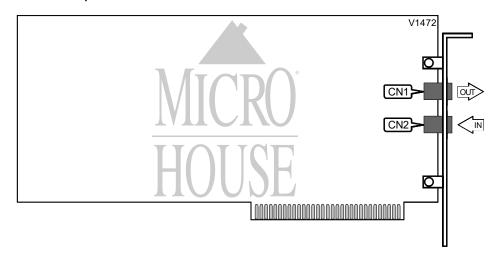
Modem Type Maximum Data Rate 28.8Kbps **Maximum Fax Rate** 14.4Kbps 8 Bit ISA Data Bus **Fax Class** Class I & II Bell 103A/212A **Data Modulation Protocol**

ITU-T V.21, V.22, V.22bis, V.23, V.32, V.32bis, V.34

Rockwell V.FC

ITU-T V.17, V.21CH2, V.27ter, V.29 **Fax Modulation Protocol**

Error Correction/Compression MNP5, V.42, V.42bis



CONNECTIONS			
Purpos	Location	Purpos	Location
Line out	CN1	Line in	CN2

Proprietary AT Command Set

	AUTO-RETRAIN - FALLBACK/FALLFORWARD
Type:	Configuration
Format:	AT [cmds] %En [cmds]
Example:	AT %E2 <cr></cr>
Description:	Controls auto-retrain mode and fallback/fall forward.
Command	Function
%E0	Auto-retrain disabled.
%E1	Auto-retrain enabled.
í %E2	Fallback/fall forward enabled.

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BIT-MAPPED REGISTERS			
Register	Default		
S14	138		
S16	0		
S21	52		
S22	117		
S23	62		
S27	73		
S28	0		
S31	194		
S39	3		
S40	104		
S41	195		

	BREAK SEND
Type:	Configuration
Format:	AT [cmds] \Bn [cmds]
Example:	AT \B3 &W <cr></cr>
Default:	3
Range:	1-9
Unit:	.1 second
Description:	Sends break to modem.

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	BREA	K TYPE	
Type:	Configuration		
Format:	AT [cmds] \Kn [cmds]		
Example:	AT \K5 <cr></cr>		
Description:	Configures action of break signal.		
Comman	d Break from DTE	Modem receives \B	Break from remote
	Reliable/Normal mode		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.

	COMPROMISE EQUALIZER
Type:	Configuration
Format:	AT [cmds] :En [cmds]
Example:	AT :E1 &W <cr></cr>
Description:	Controls V.32 compromise equalizer.
Command	Function
:E0	Equalizer disabled.
í :E1	Equalizer enabled.

	CONNECT MODE
Type:	Configuration
Format:	AT [cmds] \Nn [cmds]
Example:	AT \ N1 DT555-1212 <cr></cr>
Description:	Sets connect mode.
Command	Function
\N0	Normal mode.
\N1	Direct mode.
\N2	Reliable mode.
í \N3	Auto-reliable mode.
\N4	V.42 reliable mode.
\N5	MNP error correction mode

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	COMPRESSION
Type:	Configuration
Format:	AT [cmds] %Cn [cmds]
Example:	AT *EC0 %C1 *AP0 <cr></cr>
Description:	Selects data compression.
Command	Function
%C0	Data compression disabled.
%C1	MNP5 enabled.
%C2	V.42bis enabled.
í %C3	MNP5 and V.42bis enabled.

		EXTENDED RING
Format:		AT [cmds] -SDR=n [cmds]
Example	e:	AT-SDR=3 <cr></cr>
Default:		0
Range:		0 - 7
Unit:		Bit-mapped
Descrip	Description: Selects the response to extended ring types.	
Bit	Value	Function
0	í O	Do not respond to ring type 1.
	1	Respond to ring type 1.
1	í O	Do not respond to ring type 2.
	1	Respond to ring type 2.
2	í O	Do not respond to ring type 3.
	1	Respond to ring type 3.

	FLASH DIAL MODIFIER TIME
Format	AT [cmds] S29= <i>n</i> [cmds]
Example:	AT S29=70 <cr></cr>
Default:	70
Range:	0-255
Unit:	.001 second
Description:	Time the modem will go on-hook upon receiving the ! dial modifier in dial string.

	FLOW CONTROL
Type:	Configuration
Format:	AT [cmds] \Gn [cmds]
Example:	AT \ G0 &K3 <cr></cr>
Description:	Selects modem port flow control.
Command	Function
í \G0	Flow control disabled.
\G1	Flow control enabled.

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	FLOW CONTROL CHARACTER - XOFF
Type:	Register
Format:	AT [cmds] S33=n [cmds]
Example:	AT S33=20 <cr></cr>
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]
Example:	AT S32=20 <cr></cr>
Default:	17
Range:	0-255
Unit:	ASCII
Description:	Sets the character used to represent XON.

	LINE SIGNAL LEVEL
Type:	Configuration
Format:	AT [cmds] %L [cmds]
Example:	AT %L &W <cr></cr>
Description:	Returns recieved line signal level.

	MAXIMUM BLOCK SIZE FOR TRANSMISSION
Type:	Configuration
Format:	AT [cmds] \An [cmds]
Example:	AT \A1 %C1 <cr></cr>
Description:	Sets the maximum transmittable block size.
Command	Function
Command \A0	Function MNP block size is 64 characters.
\A0	MNP block size is 64 characters.

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	MNP10 TRANSMISSION LEVEL
Type:	Configuration
Format:	AT [cmds] -SECn,a [cmds]
Example:	AT -SEC1,24 <cr></cr>
Default:	Unidentified
Range:	a=0-30
Unit:	-1 dBm
Description:	Enables/disables and sets the transmission level for MNP10.
Command	Function
n=0	MNP10 disabled.
<i>n</i> =1	MNP10 enabled.

	MODULATION SELECTION
Type:	Configuration
Format:	AT [cmds] +MS=xx,y,zzz,aaa [cmds]
Example:	AT +MS11,1,300,28800 &W <cr></cr>
Description:	Sets options for active protocol. The transfer rates specified by z and a must be valid for the
	protocol selected.
Command	Function
<i>x</i> =0	V.21
<i>x</i> =1	V.22
x=2	V.22bis
<i>x</i> =3	V.23
<i>x</i> =9	V.32
<i>x</i> =10	V.32bis
<i>x</i> =11	V.34
<i>x</i> =64	Bell 103A
<i>x</i> =69	Bell 212A
x=74	V.FC
<i>y</i> =1	Auto-detect highest speed enabled.
<i>y</i> =0	Automode disabled.
z, a=300	Set minimum or maximum transfer rate at 300bps, respectively.
z, a=1200	Set minimum or maximum transfer rate at 1200bps, respectively.
z, a=2400	Set minimum or maximum transfer rate at 2400bps, respectively.
z, a=4800	Set minimum or maximum transfer rate at 4800bps, respectively.
z, a=7200	Set minimum or maximum transfer rate at 7200bps, respectively.
z, a=9600	Set minimum or maximum transfer rate at 9600bps, respectively.
z, a=12000	Set minimum or maximum transfer rate at 12000bps, respectively.
z, a=14400	Set minimum or maximum transfer rate at 14400bps, respectively.
z, a=16800	Set minimum or maximum transfer rate at 16800bps, respectively.
z, a=19200	Set minimum or maximum transfer rate at 19200bps, respectively.
z, a=21600	Set minimum or maximum transfer rate at 21600bps, respectively.
z, a=24000	Set minimum or maximum transfer rate at 24000bps, respectively.
z, a=26400	Set minimum or maximum transfer rate at 26400bps, respectively.
z, a=28800	Set minimum or maximum transfer rate at 28800bps, respectively.

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	REPORT INFORMATION
Type:	Immediate
Format:	AT [cmds] In [cmds]
Example:	AT I1 O <cr></cr>
Description:	Displays modem properties.
Command	Function
10	Reports product code.
I1	Reports firmware checksum.
12	Reports firmware checksum result. (Report OK if correct)
13	Reports firmware revision.
14	Reports identifier string.
15	Reports country code.
16	Reports Data Pump modem and revision.

	REPORT SIGNAL QUALITY
Type:	Configuration
Format:	AT [cmds] %Q [cmds]
Example:	AT %Q &W <cr></cr>
Description:	Reports signal quality.

	SLEEP TIMER
Format	AT [cmds] S24=n [cmds]
Example:	AT S24=0 <cr></cr>
Default:	0
Range:	0 - 255
Unit:	1 second
Description:	Maximum duration of DTE and DCE inactivity allowed prior to initiating low-power sleep mode.

	TRANSMISSION LEVEL
Type:	Configuration
Format:	AT [cmds] @Mn [cmds]
Example:	AT @M25 &W <cr></cr>
Default:	0
Range:	11-30
Unit:	-1 dBm
Description:	Sets the signal level for transmission.
Command	Function
í @M0	-26dBm
@M1	-30dBm
@M2-@M10	-10dBm

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	VOICE SENSING OFF-HOOK
Type:	Configuration
Format:	AT [cmds] #CEXT=n [cmds]
Example:	AT #CEXT=1 &W <cr></cr>
Description:	During Voicemail monitoring, user can pick-up phone on any extention phone, other than the one hooked-up to the modem.
Command	Function
#CEXT=0	Sensing disabled.
í #CEXT=1	Sensing enabled.
#CEXT?	Displays current value.
#CEXT=?	Displays valid range.