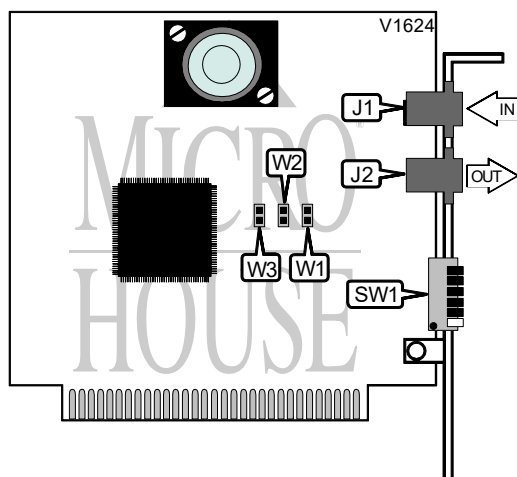


LOGICODE TECHNOLOGY, INC.

QUICKTEL 2400H

Card Type	Data (asynchronous)
Chip Set	Unidentified
Maximum Data Rate	2400bps
Data Bus	8-bit ISA
Data Modulation Protocol	Bell 103A/212A ITU-T V.21, V.22, V.22bis



CONNECTIONS			
Function	Label	Function	Label
Line in	J1	Line out	J2

SERIAL PORT ADDRESS				
Setting	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
COM4 (2E8h)	Off	Off	Off	On

INTERRUPT					
Setting	SW1/5	SW1/6	W1	W2	W3
2	Off	Off	Closed	Open	Open
3	On	Off	Open	Open	Open
4	Off	On	Open	Open	Open
5	Off	Off	Open	Closed	Open
7	Off	Off	Open	Open	Closed

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Proprietary AT Command Set

BIT-MAPPED REGISTER S14		
Format	AT [cmds] S14= <i>n</i> [cmds]	
Default:	170	
Range:	0-190	
Unit:	Bit-mapped	
Description:	Controls echo, result codes, result code display, smart/dumb mode, dial mode, and answer/originate mode.	
Bit	Value	Function
0	0	Not used
1	0 1	Command echo disabled Command echo enabled
2	0 1	Result codes enabled Result codes disabled
3	0 1	Display result codes in numeric format Display result codes in verbose format
4	0 1	Smart mode Dumb mode
5	0 1	Tone dial enabled Pulse dial enabled
6	0	Not used
7	0 1	Answer mode enabled Originate mode enabled

BIT-MAPPED REGISTER S21		
Format	AT [cmds] S21= <i>n</i> [cmds]	
Default:	0	
Range:	0-253	
Unit:	Bit-mapped	
Description:	Selects jack type, CTS signal, low DTR action, DCD signal, DSR signal, and the long space disconnect function.	
Bit	Value	Function
0	0 1	Selects RJ-11, RJ-41S, or RJ45S jack Selects RJ-12 or RJ-13 jack
1	0	Not used
2	0 1	CTS follows RTS CTS forced high
4, 3	00 01 10 11	DTR signal ignored Modem goes to command mode on low DTR Modem disconnects on low DTR, Auto-Answer is disabled. Modem is initialized on low DTR
5	0 1	DCD forced high DCD normal
6	0 1	DSR forced high DSR normal
7	0 1	Long space disconnect function disabled Long space disconnect function enabled

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QUICKTEL 2400H

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BIT-MAPPED REGISTER S22		
Format	AT [cmds] S22= <i>n</i> [cmds]	
Default:	118	
Range:	0-255	
Unit:	Bit-mapped.	
Description:	Controls volume and speaker settings, result codes, and make/break pulse ratio.	
Bit	Value	Function
1, 0	00	Not used
	01	Low volume setting
	í 10	Medium volume setting
	11	Highest volume setting
3, 2	00	Speaker disabled
	í 01	Speaker enabled until carrier signal detected
	10	Speaker always on
	11	Speaker enabled following dialing, then disabled after carrier signal detected.
6, 5, 4	000	Busy and dialtone detection disabled, result codes 0-4 enabled
	100	Busy and dialtone detection disabled, result codes 0-5, 10 enabled
	101	Busy tone detection disabled, dialtone detection enabled, result codes 0-6, 10 enabled
	110	Busy tone detection enabled, dialtone detection disabled, result codes 0-5, 7, 10 enabled
	í 111	Busy and dialtone detection enabled, result codes 0-7, 10 enabled
7	í 0	39/61ms at 10pps (North America)
	1	33/67ms at 10pps (Europe)

BIT-MAPPED REGISTER S23		
Format	AT [cmds] S23= <i>n</i> [cmds]	
Default:	7	
Range:	0-183	
Unit:	Bit-mapped	
Description:	Grants/denies remote digital loopback, controls DTE rate and parity, and sets guard tone.	
Bit	Value	Function
0	0	Remote digital loopback denied
	í 1	Remote digital loopback allowed
2, 1	00	Sets serial port speed to 0-300bps
	01	Sets serial port speed to 600bps
	10	Sets serial port speed to 1200bps
	í 11	Sets serial port speed to 2400bps
3	0	Not used
5, 4	í 00	Parity even
	01	Space Parity
	10	Parity odd
	11	No Parity
7, 6	í 00	Guard tone disabled
	01	Guard tone 550Hz enabled
	10	Guard tone 1800Hz enabled

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QUICKTEL 2400H

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BIT-MAPPED REGISTER S27		
Format	AT [cmds] S27= <i>n</i> [cmds]	
Default:	64	
Range:	0-68	
Unit:	Bit-mapped	
Description:	Selects asynchronous mode, line type, and protocol type.	
Bit	Value	Function
1, 0	í 00	Asynchronous mode
2	í 0	Switch line
	1	Lease line
5, 4, 3	00	Not used
6	0	Select CCITT protocols
	í 1	Select Bell protocols

TEST MODES		
Format	AT [cmds] S16= <i>n</i> [cmds]	
Default:	0	
Range:	0-125	
Unit:	Bit-mapped	
Description:	Controls loopback tests, analog, digital, remote digital, and self tests.	
Bit	Value	Function
0	í 0	Local analog loopback not in progress
	1	Local analog loopback in progress
1	0	Not used
2	í 0	Local digital loopback not in progress
	1	Local digital loopback in progress
3	í 0	Modem not in remote digital loopback
	1	Remote digital loopback in progress
4	í 0	Remote digital loopback not requested
	1	Remote digital loopback requested
5	í 0	Remote digital loopback w/ self-test not in progress
	1	Remote digital loopback w/ self-test in progress
6	í 0	Local analog loopback w/ self-test not in progress
	1	Local analog loopback w/ self-test in progress