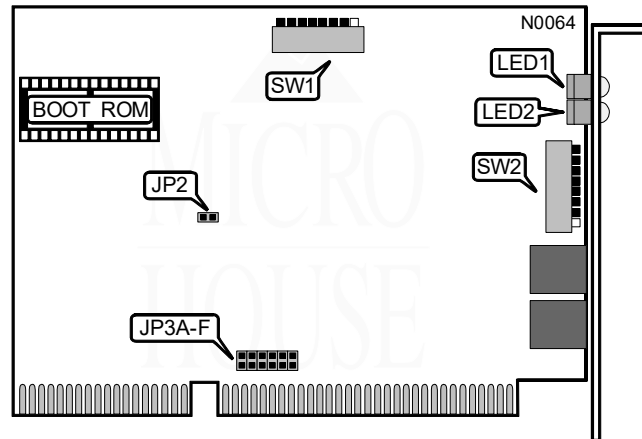


STANDARD MICROSYSTEMS CORPORATION

ARCNET PC650

NIC Type ARCnet
Transfer Rate 2.5Mbps
Data Bus 16-bit ISA
Topology Star
Wiring Type Unshielded twisted pair
Boot ROM Available



NODE ADDRESS								
Node	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6	SW2/7	SW2/8
0	-	-	-	-	-	-	-	-
1	Off	On	On	On	On	On	On	On
2	On	Off	On	On	On	On	On	On
3	Off	Off	On	On	On	On	On	On
4	On	On	Off	On	On	On	On	On
251	Off	Off	On	Off	Off	Off	Off	Off
252	On	On	Off	Off	Off	Off	Off	Off
253	Off	On	Off	Off	Off	Off	Off	Off
254	On	Off	Off	Off	Off	Off	Off	Off
255	Off	Off	Off	Off	Off	Off	Off	Off

Note: Node address 0 is used for messaging between nodes and must not be used.
 A total of 255 node address settings are available. The switches are a binary representation of the decimal node addresses. Switch 1 is the Least Significant Bit and switch 8 is the Most Significant Bit. The switches have the following decimal values: switch 1=1, 2=2, 3=4, 4=8, 5=16, 6=32, 7=64, 8=128. Turn off the switches and add the values of the off switches to obtain the correct node address. (On=0, Off=1)

BOOT ROM	
Setting	JP2
Disabled	Open
Enabled	Closed

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ARCNET PC650

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INTERRUPT REQUEST						
IRQ	JP3A	JP3B	JP3C	JP3D	JP3E	JP3F
3	Closed	Open	Open	Open	Open	Open
4	Open	Closed	Open	Open	Open	Open
5	Open	Open	Closed	Open	Open	Open
7	Open	Open	Open	Closed	Open	Open
9	Open	Open	Open	Open	Closed	Open
10	Open	Open	Open	Open	Open	Closed

I/O BASE ADDRESS			
Address	SW1/1	SW1/2	SW1/3
i300h	Off	On	On
260h	On	On	On
290h	On	On	Off
2E0h	On	Off	On
2F0h	On	Off	Off
350h	Off	On	Off
380h	Off	Off	On
3E0h	Off	Off	Off

DIAGNOSTIC LED(S)			
LED	Color	Status	Condition
LED1	Red	On	Card is being accessed by host computer
LED1	Red	Off	Card is not being accessed by host computer
LED2	Green	On	Data is being transmitted or received
LED2	Green	Off	Data is not being transmitted or received
LED2	Green	blinking	Network is reconfiguring

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BASE MEMORY & BOOT ROM ADDRESS						
Base Address	Boot ROM Address	SW1/4	SW1/5	SW1/6	SW1/7	SW1/8
C0000h	C2000h	On	On	On	On	On
C0800h	C2000h	On	On	On	On	Off
C1000h	C2000h	On	On	On	Off	On
C1800h	C2000h	On	On	On	Off	Off
C4000h	C6000h	On	On	Off	On	On
C4800h	C6000h	On	On	Off	On	Off
C5000h	C6000h	On	On	Off	Off	On
C5800h	C6000h	On	On	Off	Off	Off
CC000h	CE000h	On	Off	On	On	On
CC800h	CE000h	On	Off	On	On	Off
CD000h	CE000h	On	Off	On	Off	On
CD800h	CE000h	On	Off	On	Off	Off
D0000h	D2000h	On	Off	Off	On	On
D0800h	D2000h	On	Off	Off	On	Off
D1000h	D2000h	On	Off	Off	Off	On
D1800h	D2000h	On	Off	Off	Off	Off
D4000h	D6000h	Off	On	On	On	On
D4800h	D6000h	Off	On	On	On	Off
D5000h	D6000h	Off	On	On	Off	On
D5800h	D6000h	Off	On	On	Off	Off
D8000h	DA000h	Off	On	Off	On	On
D8800h	DA000h	Off	On	Off	On	Off
D9000h	DA000h	Off	On	Off	Off	On
D9800h	DA000h	Off	On	Off	Off	Off
DC000h	DE000h	Off	Off	On	On	On
DC800h	DE000h	Off	Off	On	On	Off
DD000h	DE000h	Off	Off	On	Off	On
DD800h	DE000h	Off	Off	On	Off	Off
E0000h	E2000h	Off	Off	Off	On	On
E0800h	E2000h	Off	Off	Off	On	Off
E1000h	E2000h	Off	Off	Off	Off	On
E1800h	E2000h	Off	Off	Off	Off	Off