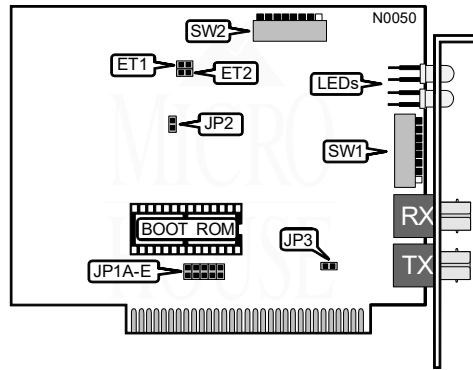


STANDARD MICROSYSTEMS CORPORATION
ARCNET PC 330

NIC Type ARCnet
Transfer Rate 2.5Mbps
Data Bus 8-bit ISA
Topology Star
Wiring Type 50/62.5/100µm Fiber optic cable
Boot ROM Available



NODE ADDRESS								
Node	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6	SW1/7	SW1/8
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)

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STANDARD MICROSYSTEMS CORPORATION
ARCNET PC330

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RESPONSE & RECONFIGURATION TIMEOUTS				
Response Time	Idle Time	Reconfig. Time	ET1	ET2
i78µs	86µs	840ms	Closed	Closed
285µs	316µs	1680ms	Open	Closed
563µs	624µs	1680ms	Closed	Open
1190µs	1237µs	1680ms	Open	Open

INTERRUPT REQUEST					
IRQ	JP1A	JP1B	JP1C	JP1D	JP1E
2	Closed	Open	Open	Open	Open
3	Open	Closed	Open	Open	Open
4	Open	Open	Closed	Open	Open
5	Open	Open	Open	Closed	Open
7	Open	Open	Open	Open	Closed

BOOT ROM	
Setting	JP2
iDisabled	Open
Enabled	Closed

CABLE TYPE & SEGMENT LENGTH			
Size	Minimum Distance	Maximum Distance	JP3
50µ	3m (10 feet)	2.5Km (8200 feet)	Closed
62.5µ	3m (10 feet)	3Km (9840 feet)	Closed
100µ	1Km (3280 feet)	3.18Km (10,400 feet)	Closed
100µ	3m (10 feet)	2.09Km (6850 feet)	Open

Note: On the card segment length is the distance between the active hub and the card.

I/O BASE ADDRESS			
Address	SW2/1	SW2/2	SW2/3
260h	On	On	On
290h	On	On	Off
2E0h	On	Off	On
2F0h	On	Off	Off
300h	Off	On	On
350h	Off	On	Off
380h	Off	Off	On
3E0h	Off	Off	Off

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STANDARD MICROSYSTEMS CORPORATION
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BASE MEMORY & BOOT ROM ADDRESS						
Base Address	Boot ROM Address	SW2/4	SW2/5	SW2/6	SW2/7	SW2/8
C000h	C200h	On	On	On	On	On
C0800h	C200h	On	On	On	On	Off
C1000h	C200h	On	On	On	Off	On
C1800h	C200h	On	On	On	Off	Off
C4000h	C600h	On	On	Off	On	On
C4800h	C600h	On	On	Off	On	Off
C5000h	C600h	On	On	Off	Off	On
C5800h	C600h	On	On	Off	Off	Off
CC000h	CE00h	On	Off	On	On	On
CC800h	CE00h	On	Off	On	On	Off
CD000h	CE00h	On	Off	On	Off	On
CD800h	CE00h	On	Off	On	Off	Off
D0000h	D200h	On	Off	Off	On	On
D0800h	D200h	On	Off	Off	On	Off
D1000h	D200h	On	Off	Off	Off	On
D1800h	D200h	On	Off	Off	Off	Off
D4000h	D600h	Off	On	On	On	On
D4800h	D600h	Off	On	On	On	Off
D5000h	D600h	Off	On	On	Off	On
D5800h	D600h	Off	On	On	Off	Off
D8000h	DA00h	Off	On	Off	On	On
D8800h	DA00h	Off	On	Off	On	Off
D9000h	DA00h	Off	On	Off	Off	On
D9800h	DA00h	Off	On	Off	Off	Off
DC000h	DE00h	Off	Off	On	On	On
DC800h	DE00h	Off	Off	On	On	Off
DD000h	DE00h	Off	Off	On	Off	On
DD800h	DE00h	Off	Off	On	Off	Off
E0000h	E200h	Off	Off	Off	On	On
E0800h	E200h	Off	Off	Off	On	Off
E1000h	E200h	Off	Off	Off	Off	On
E1800h	E200h	Off	Off	Off	Off	Off

DIAGNOSTIC LED(S)		
Color	Status	Condition
Red	On	Data is being received
Red	Off	Data is not being received
Red	Blinking	Card is reconfiguring
Green	On	Data is being transmitted
Green	Off	Data is not being transmitted
Green	Blinking	Card is reconfiguring