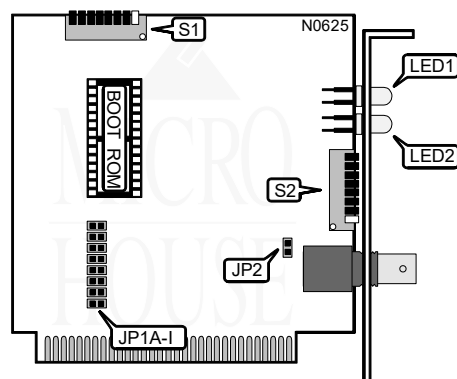


# STANDARD MICROSYSTEMS CORPORATION

## ARCNET PC130E

**NIC Type** Arcnet  
**Transfer Rate** 2.5 Mbps  
**Data Bus** 8-bit ISA  
**Topology** Star/Linear bus  
**Wiring Type** RG62A/U 93ohm coaxial  
**Boot ROM** Available



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 CONFIGURATION	
Setting	JP1F
Disabled	Open
Enabled	Closed

RESPONSE AND RECONFIGURATION TIMEOUTS			
Response Time	Reconfiguration Time	JP1H	JP1I
74.7μs	840ms	1	1
283.4μs	1680ms	1	0
561.8μs	1680ms	0	1
1116.6μs	1680ms	0	0

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# THE NETWORK INTERFACE CARD TECHNICAL GUIDE

## STANDARD MICROSYSTEMS CORPORATION

### ARCNET PC130E

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TOPOLOGY SELECT	
Topology	JP2
Star	Closed
Linear bus	Open

I/O BASE ADDRESS			
Address	S1/1	S1/2	S1/3
260h	Off	Off	Off
290h	Off	Off	On
i2E0h	Off	On	Off
2F0h	Off	On	On
300h	On	Off	Off
350h	On	Off	On
380h	On	On	Off
3E0h	On	On	On

BASE MEMORY ADDRESS					
Base	S1/4	S1/5	S1/6	S1/7	S1/8
C0000h	Off	Off	Off	Off	Off
C0800h	Off	Off	Off	Off	On
C1000h	Off	Off	Off	On	Off
C1800h	Off	Off	Off	On	On
C4000h	Off	Off	On	Off	Off
C4800h	Off	Off	On	Off	On
C5000h	Off	Off	On	On	Off
C5800h	Off	Off	On	On	On
CC000h	Off	On	Off	Off	Off
CC800h	Off	On	Off	Off	On
CD000h	Off	On	Off	On	Off
CD800h	Off	On	Off	On	On
D0000h	Off	On	On	Off	Off
D0800h	Off	On	On	Off	On
D1000h	Off	On	On	On	Off
D1800h	Off	On	On	On	On
D4000h	On	Off	Off	Off	Off

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# STANDARD MICROSYSTEMS CORPORATION

## ARCNET PC130E

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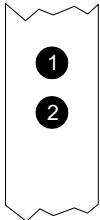
BASE MEMORY ADDRESS (CONTINUED)					
Base	S1/4	S1/5	S1/6	S1/7	S1/8
D4800h	On	Off	Off	Off	On
D5000h	On	Off	Off	On	Off
D5800h	On	Off	Off	On	On
D8000h	On	Off	On	Off	Off
D8800h	On	Off	On	Off	On
D9000h	On	Off	On	On	Off
D9800h	On	Off	On	On	On
DC000h	On	On	Off	Off	Off
DC800h	On	On	Off	Off	On
DD000h	On	On	Off	On	Off
DD800h	On	On	Off	On	On
E0000h	On	On	On	Off	Off
E0800h	On	On	On	Off	On
E1000h	On	On	On	On	Off
E1800h	On	On	On	On	On

NODE ADDRESS								
Node	S2/1	S2/2	S2/3	S2/4	S2/5	S2/6	S2/7	S2/8
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 8=128, 7=64, 6=32, 5=16, 4=8, 3=4, 2=2, 1=1. Turn Off the switches and add the values of the Off switches to obtain the correct node address. (On=1, Off=0)

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DIAGNOSTIC LED			
LED	Color	Status	Condition
LED1	Green	On	Network currently active
LED1	Green	Off	Network currently idle
LED2	Red	On	Card currently idle
LED2	Red	Flash	Data transfer in progress
LED2	Red	Blink	Card reconfiguring
LED2	Red	Off	Defective card/no power/node ID set to 0