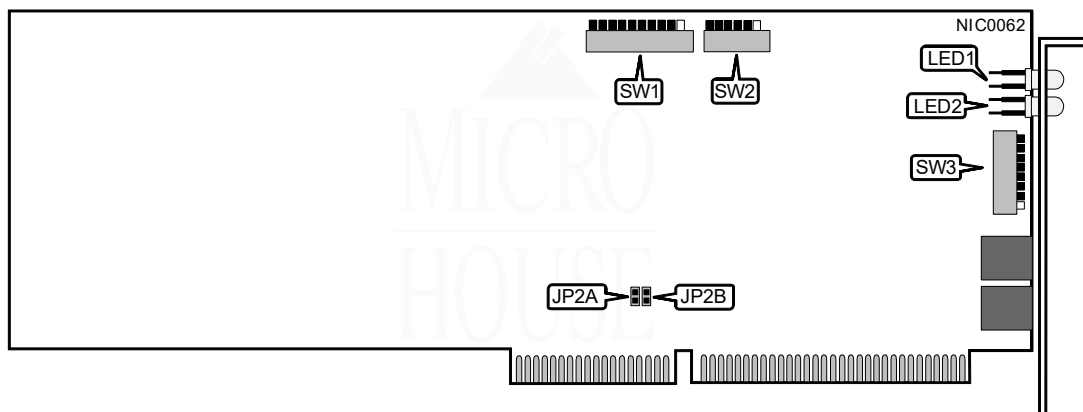


# STANDARD MICROSYSTEMS CORPORATION

## ARCNET PC550

<b>NIC Type</b>	ARCnet
<b>Transfer Rate</b>	2.5Mbps
<b>Data Bus</b>	16-bit ISA
<b>Topology</b>	Star
<b>Wiring Type</b>	Unshielded twisted pair
<b>Boot ROM</b>	Not available



NODE ADDRESS								
Node	SW3/1	SW3/2	SW3/3	SW3/4	SW3/5	SW3/6	SW3/7	SW3/8
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 PC550

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I/O BASE ADDRESS						
Address	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
1300h	On	On	On	On	Off	Off
200h	On	On	On	On	On	Off
210h	Off	On	On	On	On	Off
220h	On	Off	On	On	On	Off
230h	Off	Off	On	On	On	Off
240h	On	On	Off	On	On	Off
250h	Off	On	Off	On	On	Off
260h	On	Off	Off	On	On	Off
270h	Off	Off	Off	On	On	Off
280h	On	On	On	Off	On	Off
290h	Off	On	On	Off	On	Off
2A0h	On	Off	On	Off	On	Off
2B0h	Off	Off	On	Off	On	Off
2C0h	On	On	Off	Off	On	Off
2D0h	Off	On	Off	Off	On	Off
2E0h	On	Off	Off	Off	On	Off
2F0h	Off	Off	Off	Off	On	Off
310h	Off	On	On	On	Off	Off
320h	On	Off	On	On	Off	Off
330h	Off	Off	On	On	Off	Off
340h	On	On	Off	On	Off	Off
350h	Off	On	Off	On	Off	Off
360h	On	Off	Off	On	Off	Off
370h	Off	Off	Off	On	Off	Off
380h	On	On	On	Off	Off	Off
390h	Off	On	On	Off	Off	Off
3A0h	On	Off	On	Off	Off	Off
3B0h	Off	Off	On	Off	Off	Off
3C0h	On	On	Off	Off	Off	Off
3D0h	Off	On	Off	Off	Off	Off
3E0h	On	Off	Off	Off	Off	Off
3F0h	Off	Off	Off	Off	Off	Off

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# STANDARD MICROSYSTEMS CORPORATION

## ARCNET PC550

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FACTORY CONFIGURED SETTINGS	
Switch	Setting
SW2/1	On
SW2/2	On
SW2/3	Off
SW2/4	On
SW2/5	On
SW2/6	On

INTERRUPT REQUEST				
IRQ	SW1/7	SW1/8	SW1/9	SW1/10
2/9	Off	On	On	Off
3	Off	Off	On	On
4	On	On	Off	On
5	Off	On	Off	On
7	Off	Off	Off	On
10	On	Off	On	Off
11	Off	Off	On	Off
12	On	On	Off	Off

DIAGNOSTIC LED(S)			
LED	Color	Status	Condition
LED1	Green	On	Data is being transmitted or received
LED1	Green	Blinking	Network is reconfiguring
LED2	Red	On	I/O bus activity detected
LED2	Red	Off	No I/O bus activity detected