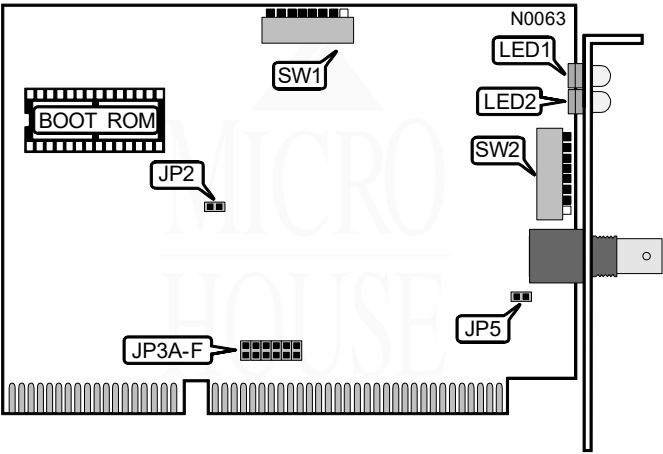


THE NETWORK INTERFACE CARD TECHNICAL GUIDE

STANDARD MICROSYSTEMS CORPORATION

ARCNET PC600

NIC Type	ARCnet
Transfer Rate	2.5Mbps
Data Bus	16-bit ISA
Topology	Star
	Linear Bus
Wiring Type	RG-62A/U 93ohm coaxial
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)

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ARCNET PC600

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BOOT ROM	
Setting	JP2
iEnabled	Open
Disabled	Closed

INTERRUPT REQUEST						
IRQ	JP3A	JP3B	JP3C	JP3D	JP3E	JP3F
2/9	Open	Open	Open	Open	Closed	Open
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
10	Open	Open	Open	Open	Open	Closed

TOPOLOGY CONFIGURATION	
Topology	JP5
Star	Closed
Linear Bus	Open

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/received
LED2	Green	Off	Data is not being transmitted/received
LED2	Green	blinking	Network is re-configuring

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ARCNET PC600

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BASE MEMORY ADDRESS AND 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