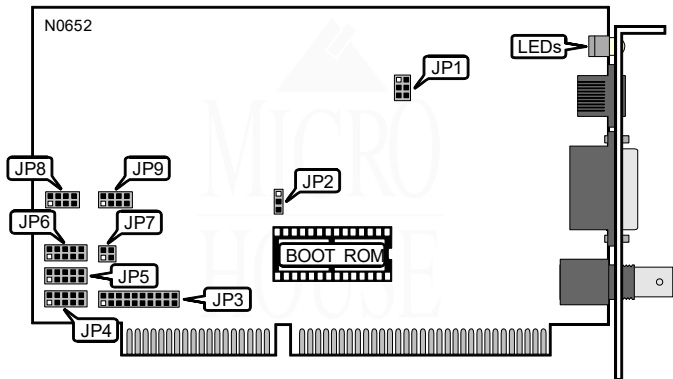


THE NETWORK INTERFACE CARD TECHNICAL GUIDE

COGENT DATA TECHNOLOGIES, INC.

EMASTER+ EM727 ATS

NIC Type	Ethernet
Transfer Rate	10Mbps
Data Bus	16-bit ISA
Topology	Star
	Linear bus
Wiring Type	AUI transceiver via DB-15
	RG-58A/U 50ohm coaxial
	Unshielded twisted pair
Boot ROM	Available



BOOT ROM SIZE		
Size	JP7/1	JP7/2
8KB	Closed	Open
16KB	Open	Closed

CABLE TYPE	
Type	JP1
RG58A/U 50ohm coaxial	Pins 5 & 6 closed
AUI transceiver via DB-15 port	Pins 3 & 4 closed
Unshielded twisted pair	Pins 1 & 2 closed

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EMASTER+ EM727 ATS

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DMA CHANNEL										
Channel	JP4/1	JP4/2	JP4/3	JP4/4	JP4/5	JP5/1	JP5/2	JP5/3	JP5/4	JP5/5
í DMA5	Open	Open	Closed	Open	Open	Open	Open	Closed	Open	Open
DMA0	Closed	Open	Open	Open	Open	Closed	Open	Open	Open	Open
DMA3	Open	Closed	Open	Open	Open	Open	Closed	Open	Open	Open
DMA6	Open	Open	Open	Closed	Open	Open	Open	Open	Closed	Open
DMA7	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Closed
Note: Each EM727 installed in the server must have a unique DMA setting.										

I/O BASE ADDRESS				
Address	JP9/1	JP9/2	JP9/3	JP9/4
í 300h	Closed	Open	Open	Open
320h	Open	Closed	Open	Open
340h	Open	Open	Closed	Open
360h	Open	Open	Open	Closed

INTERRUPT REQUEST										
IRQ	JP3/1	JP3/2	JP3/3	JP3/4	JP3/5	JP3/6	JP3/7	JP3/8	JP3/9	JP3/10
3	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Closed
4	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open
5	Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open
7	Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
9	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
í 10	Open	Open	Open	Open	Open	Closed	Open	Open	Open	Open
11	Open	Open	Open	Open	Open	Open	Closed	Open	Open	Open
12	Open	Open	Open	Open	Open	Open	Open	Closed	Open	Open
14	Open	Open	Open	Open	Open	Open	Open	Open	Closed	Open
15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Closed

LAN ID SELECT				
LAN	JP8/1	JP8/2	JP8/3	JP8/4
í A	Closed	Open	Open	Open
B	Open	Closed	Open	Open
C	Open	Open	Closed	Open
D	Open	Open	Open	Closed
Note: Select a different card LAN for each EM727 installed. I/O base 360h with LAN D and I/O base 320h with LAN D are not supported.				

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EMASTER+ EM727 ATS

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PROM BASE ADDRESS					
Address	JP6/1	JP6/2	JP6/3	JP6/4	JP6/5
í Disabled	Open	Open	Open	Open	Closed
C000h	Closed	Open	Open	Open	Open
D000h	Open	Closed	Open	Open	Open
D800h	Open	Open	Closed	Open	Open
DC00h	Open	Open	Open	Closed	Open

SA 19-17 LINES	
Setting	JP2
í SA 19-17 lines enabled	Pins 1 & 2 closed
SA 19-17 lines disabled	Pins 2 & 3 closed



DIAGNOSTIC LED(s)			
LED	Color	Status	Condition
LED1	Green	On	10BaseT link integrity exists
LED1	Green	Off	10BaseT link integrity broken
LED2	Yellow	Off	Data is not being transmitted/received
LED2	Yellow	Blinking	Data is being transmitted/received