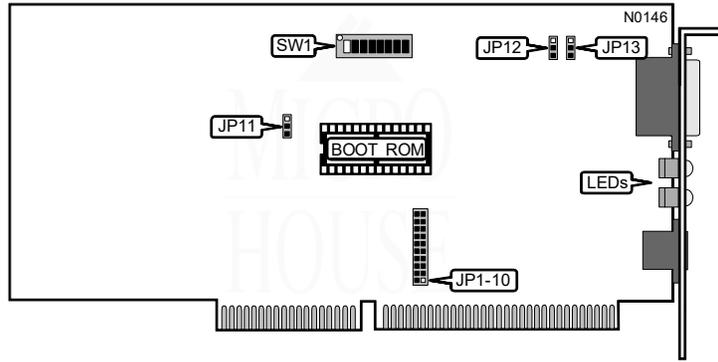


GATEWAY COMMUNICATIONS, INC.
 G/EtherTwist 16 Adapter (NATIONAL CHIPSET)

NIC Type Ethernet
Transfer Rate 10Mbps
Data Bus 16-bit ISA
Topology Star
 Linear Bus
Wiring Type Shielded/Unshielded twisted pair
 AUI transceiver via DB-15 port
Boot ROM Available



INTERRUPT REQUEST										
IRQ	JP1	JP2	JP3	JP4	JP5	JP6	JP7	JP8	JP9	JP10
2	Closed	Open								
3	Open	Closed	Open							
4	Open	Open	Closed	Open						
5	Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
6	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
7	Open	Open	Open	Open	Open	Closed	Open	Open	Open	Open
10	Open	Open	Open	Open	Open	Open	Closed	Open	Open	Open
11	Open	Closed	Open	Open						
12	Open	Closed	Open							
15	Open	Closed								

LINK INTEGRITY TEST	
Setting	JP31
Enabled	Pins 1 & 2 Closed
Disabled	Pins 2 & 3 Closed
Note: Link Integrity is only used with 10Base-T wiring. When using an AUI transceiver, the test should be disabled.	

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I/O BASE ADDRESS				
I/O Address	SW1/1	SW1/2	SW1/3	SW1/4
280-29F	On	On	On	On
i2A0-2BF	On	Off	On	On
2C0-2DF	On	On	Off	On
2E0-2FF	On	Off	Off	On
300-31F	On	On	On	Off
320-33F	On	Off	On	Off
340-35F	On	On	Off	Off
360-37F	On	Off	Off	Off

BASE MEMORY ADDRESS		
Base Address	SW1/5	SW1/6
C0000-C3FFF	On	On
C4000-C7FFF	Off	On
C8000-CBFFF	On	Off
iCC000- CFFFF	Off	Off

CABLE TYPE	
Type	JP13
AUI transeiver via DB-15 port	Pins 2 & 3 Closed
iUnshielded twisted pair	Pins 1 & 2 Closed

COMPATIBILITY MODE	
Mode	JP11
iCompatibility on	Pins 1 & 2 Closed
Compatibility off	Pins 2 & 3 Closed

Note: If one of the following problems persist after checking all other possibilities turn off Compatibility.
Intermittent failures when booting, system lock up, or continuous network error messages.

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 G/EtherTwist 16 Adapter (*NATIONAL CHIPSET*)

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DIAGNOSTIC LED(S)	
Status	Condition
Jabber LED (1) on (Red)	Adapter is continually sending random data
Link test LED (2) on (Green)	Network connection good
Link test LED (2) blinks (Green)	Wiring error, disabled test jumper
Transmit LED (3) blinks (Red)	Data is being transmitted
Receive LED (4) blinks (Red)	Data is being received

MISCELLANEOUS NOTES
Different drivers must be used for the National & the Fujitsu chipset cards, & are not interchangeable. Fujitsu adapters may be used for either 8 or 16 bit Fujitsu cards. While the National chipset cards require a different driver for an 8 or 16 bit card.