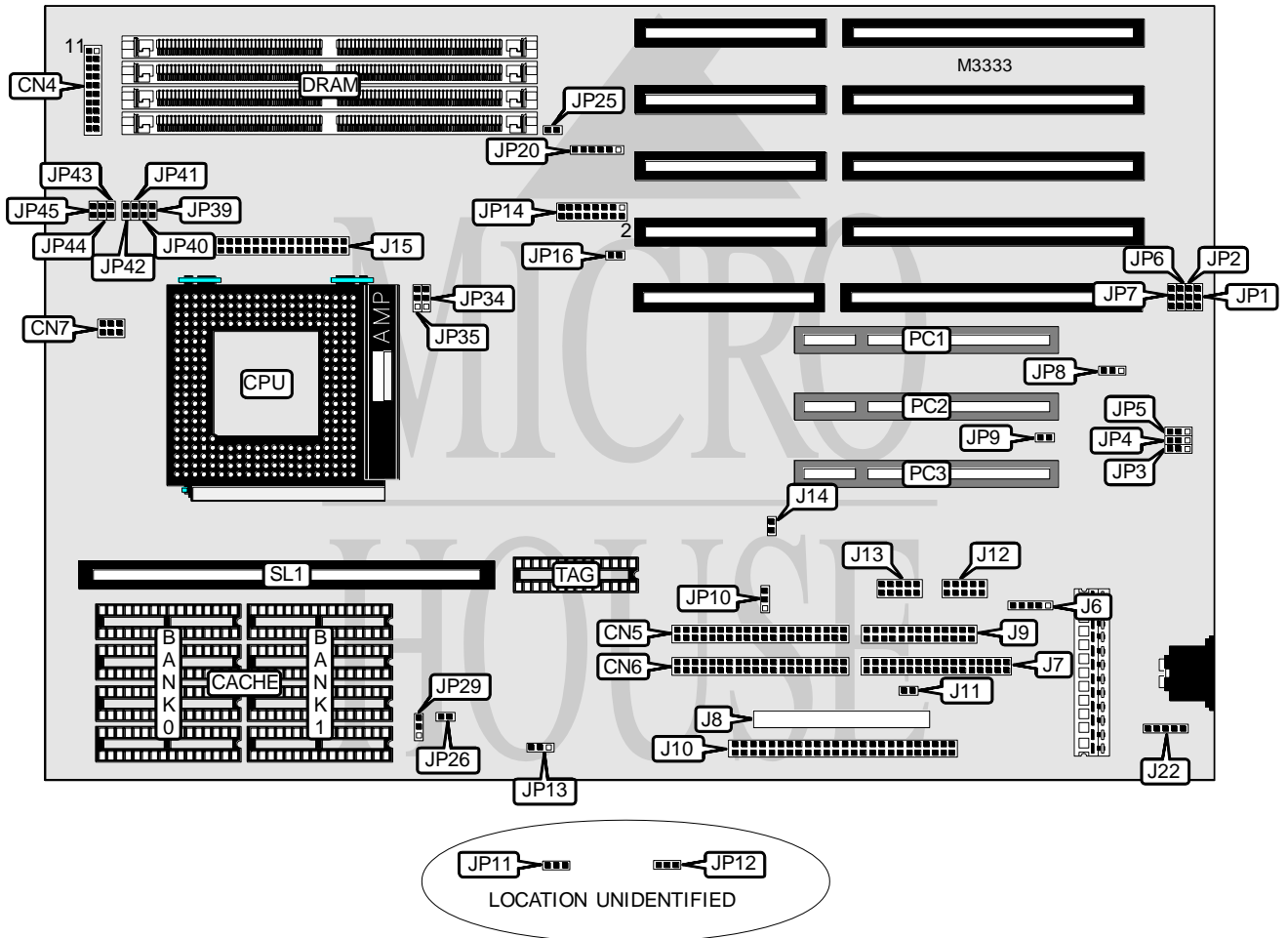


NIAGARA SMD TECHNOLOGY, INC.

NT928 S4

Processor	Pentium
Processor Speed	75/90/100/120/133/150/180/200MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	128MB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Award/Phoenix
Dimensions	330mm x 218mm
I/O Options	32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), SCSI connectors (2), parallel port, PS/2 mouse interface, serial ports (2), VRM connector, cache slot, IR connector
NPU Options	None



Continued on next page . . .

NIAGARA SMD TECHNOLOGY, INC.
NT928 S4

... continued from previous page

CONNECTIONS			
Function	Label	Function	Label
Reset switch	CN4 pins 1 & 2	Wide SCSI-2 connector	J8
Turbo switch	CN4 pins 3 & 4	Parallel port	J9
Green PC connector	CN4 pins 6 & 7	Fast SCSI-2 connector	J10
Turbo LED	CN4 pins 8 & 9	SCSI interface LED	J11
Speaker	CN4 pins 11 - 14	Serial port	J12
Power LED & keylock	CN4 pins 16 - 20	Serial port	J13
IDE interface	CN5	IDE interface LED	J14
IDE interface	CN6	VRM connector	J15
Chassis fan power	CN7	PS/2 mouse interface	J22
IR connector	J6	32-bit PCI slots	PC1 - PC3
Floppy drive interface	J7	Cache slot	SL1

USER CONFIGURABLE SETTINGS		
Setting	Label	Position
í Parallel IOCHRDY enabled	JP5	Pins 1 & 2 closed
Parallel IOCHRDY disabled	JP5	Open
í Parallel port IRQ select IRQ7	JP8	Pins 1 & 2 closed
Parallel port IRQ select IRQ5	JP8	Pins 2 & 3 closed
í On board I/O enabled	JP9	Open
On board I/O disabled	JP9	Closed
SCSI chip enabled	JP10	Pins 1 & 2 closed
SCSI chip disabled	JP10	Pins 2 & 3 closed
Flash BIOS voltage select 12v	JP20	Pins 1 & 2, 5 & 6 closed
Flash BIOS voltage select 5v	JP20	Pins 2 & 3, 5 & 6 closed
Flash BIOS or EPROM installed	JP20	Pins 2 & 3, 4 & 5 closed
í Jumper information unavailable	JP25	N/A
í SCSI type select SCSI - 2	JP26	Open
SCSI type select wide SCSI - 2	JP26	Closed
í Jumper information unavailable	JP42	N/A

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
24MB	(2) 1M x 36	(2) 2M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36

Continued on next page...

NIAGARA SMD TECHNOLOGY, INC.

NT928 S4

... continued from previous page

DRAM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
40MB	(2) 1M x 36	(2) 4M x 36
48MB	(2) 4M x 36	(2) 2M x 36
48MB	(2) 2M x 36	(2) 4M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
72MB	(2) 1M x 36	(2) 8M x 36
80MB	(2) 8M x 36	(2) 2M x 36
80MB	(2) 2M x 36	(2) 8M x 36
96MB	(2) 8M x 36	(2) 4M x 36
96MB	(2) 4M x 36	(2) 8M x 36
128MB	(2) 8M x 36	(2) 8M x 36

Note: Board accepts EDO memory. The orientation of the banks is unidentified.

CACHE CONFIGURATION				
Size	Bank 0	Bank 1	TAG	SL1
256KB (A)	(4) 32K x 8	(4) 32K x 8	(1) 8K x 8	Not installed
256KB (B)	None	None	None	Installed
512KB (A)	(4) 64K x 8	(4) 64K x 8	(1) 16K x 8	Not installed
512KB (B)	None	None	None	Installed

CACHE JUMPER CONFIGURATION	
Size	JP29
None	Open
256KB (A)	Pins 1 & 2 closed
512KB (A)	Pins 2 & 3 closed

CACHE TYPE CONFIGURATION		
Type	JP34	JP35
Asynchronous	Pins 1 & 2 closed	Pins 2 & 3 closed
Burst	Pins 2 & 3 closed	Pins 1 & 2 closed
Pipeline burst	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU SPEED SELECTION	
Speed	JP14
75MHz	Pins 1 & 2 closed
90MHz	Pins 3 & 4 closed
100MHz	Pins 5 & 6 closed
120MHz	Pins 7 & 8 closed
133MHz	Pins 9 & 10 closed
150MHz	Pins 11 & 12 closed
180MHz	Pins 13 & 14 closed
200MHz	Pins 15 & 16 closed

Continued on next page...

NIAGARA SMD TECHNOLOGY, INC.
NT928 S4

... continued from previous page

CPU TYPE SELECTION	
Type	JP16
P54C/CS/CT	Pins 1 & 2 closed
P55C/CT	Pins 2 & 3 closed

CPU VOLTAGE SELECTION			
Voltage	JP43	JP44	JP45
3.4v	Open	Open	Closed
3.5v	Open	Closed	Open
3.6v	Closed	Open	Open

CPU VRM SELECTION			
Setting	JP39	JP40	JP41
VRM not installed	Closed	Closed	Closed
VRM installed	Open	Open	Open

DMA CHANNEL SELECTION		
Channel	JP3	JP4
1	Pins 1 & 2 closed	Pins 1 & 2 closed
3	Pins 2 & 3 closed	Pins 2 & 3 closed

SERIAL PORT INTERRUPT SELECTION				
IRQ	JP1	JP2	JP6	JP7
IRQ3 (serial port 2)	Pins 1 & 2 closed	N/A	N/A	N/A
IRQ4 (serial port 1)	N/A	Pins 2 & 3 closed	N/A	N/A
IRQ10 (serial port 1)	N/A	N/A	Pins 2 & 3 closed	N/A
IRQ10 (serial port 2)	N/A	N/A	Pins 1 & 2 closed	N/A
IRQ11 (serial port 1)	N/A	N/A	N/A	Pins 2 & 3 closed
IRQ11 (serial port 2)	N/A	N/A	N/A	Pins 1 & 2 closed

IDE INTERRUPT SELECTION		
IRQ	JP11	JP12
IRQ14 (primary)	Pins 1 & 2 closed	N/A
IRQ15 (secondary)	N/A	Pins 1 & 2 closed

TERMINATION SELECTION	
Setting	JP13
Terminator always on	Pins 1 & 2 closed
Terminator always off	Open
Terminator controlled by BIOS	Pins 2 & 3 closed