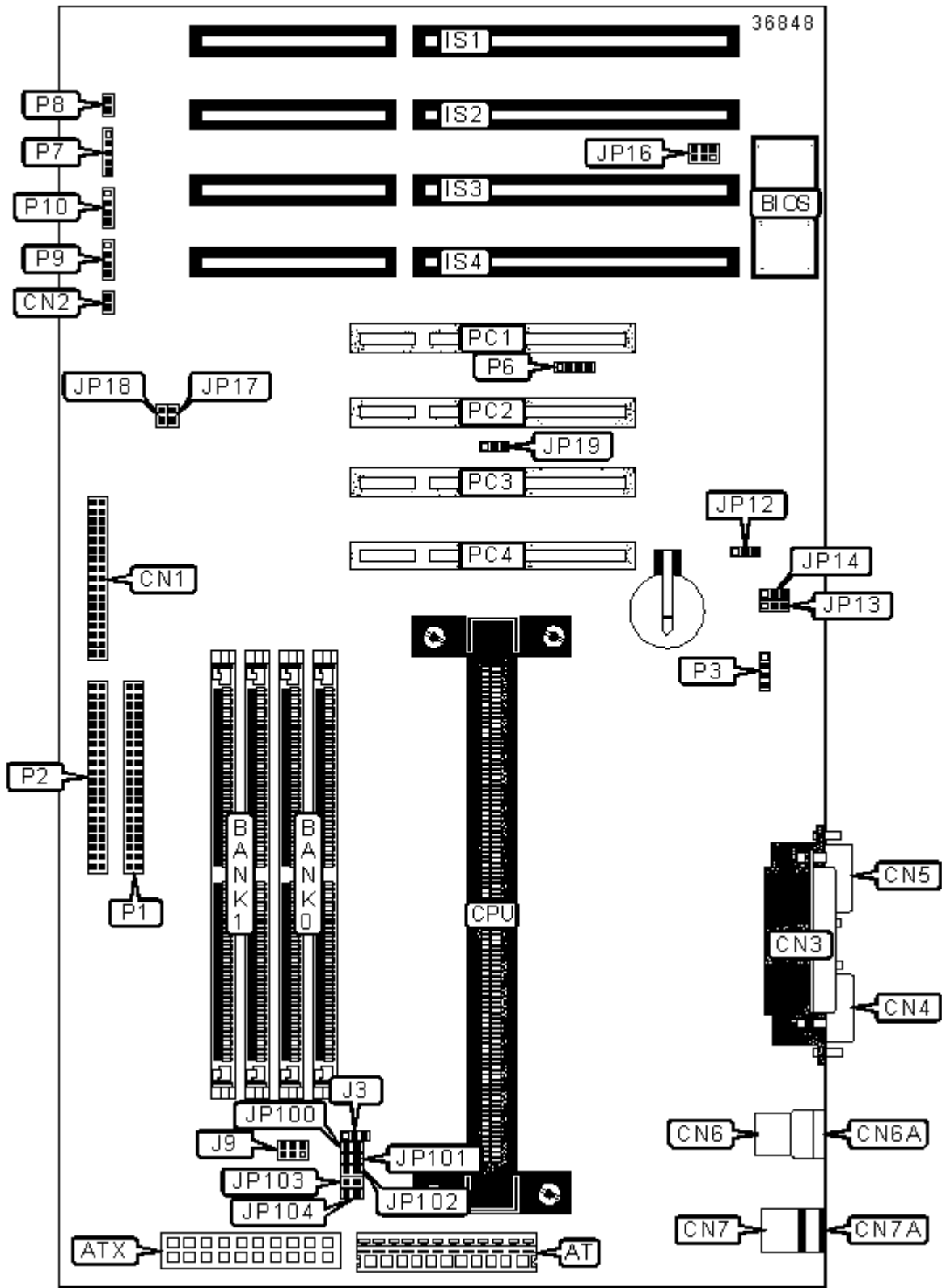


OCEAN INFORMATION SYSTEMS, INC.

RHINO II FX

Device Type	Mainboard
Processor	Pentium II
Processor Speed	200/233/266/300MHz
Chip Set	Intel 440FX
Maximum Onboard Memory	256MB (EDO supported)
Cache	256/512KB (located on the Pentium II CPU)
BIOS	Award
Dimensions	305mm x 191mm
I/O Options	32-bit PCI slots (4), 16-bit ISA slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, PS/2 keyboard port, serial ports (2), IR connector, USB ports (2), ATX power connector, AT power connector, External battery connector



CONNECTIONS

Purpose	Location	Purpose	Location
AT power connector	AT	System fan power	J9
ATX power connector	ATX	Unidentified	JP17

Floppy drive interface	CN1	Green PC connector	JP18
Power switch	CN2	IDE interface 1	P1
Parallel port	CN3	IDE interface 2	P2
Serial port 1	CN4	External battery connector	P3
Serial port 2	CN5	IR connector	P6
USB port 1	CN6	Power LED & keylock	P7
USB port 2	CN6A	Reset switch	P8
PS/2 mouse port	CN7	IDE interface LED	P9
PS/2 keyboard port	CN7A	PC speaker	P10
16-bit ISA slots	IS1 - IS4	32-bit PCI slots	PC1 - PC4
CPU fan power	J3		

USER CONFIGURABLE SETTINGS

Function		Label	Position
	AT power supply installed	JP12	Pins 1 & 2 closed
	ATX power supply installed	JP12	Pins 2 & 3 closed
»	Real time clock normal operation	JP13	Pins 1 & 2 closed
	Real time clock clear	JP13	Pins 2 & 3 closed
	Internal battery power enabled	JP14	Pins 1 & 2 closed
	External battery power enabled	JP14	Pins 2 & 3 closed
»	Flash EEPROM size 1MB	JP16	Pins 1 & 2 closed
	Flash EEPROM size 2MB	JP16	Pins 2 & 3 closed
	Normal VGA mode	JP19	Pins 1 & 2 closed
	Special VGA mode	JP19	Pins 2 & 3 closed

SIMM 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
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M 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
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	None
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36

Note: Board accepts EDO memory.

CACHE CONFIGURATION

Note: 256KB/512KB cache is located on the Pentium II CPUs.

CPU SPEED SELECTION (PENTIUM II)

CPU speed	Clock speed	Multiplier	JP100	JP101	JP102	JP103	JP104
200MHz	66MHz	3x	Open	Open	Closed	Open	Open
233MHz	66MHz	3.5x	Open	Closed	Closed	Open	Open
266MHz	66MHz	4x	Open	Open	Open	Closed	Open

300MHz	66MHz	4.5x	Open	Closed	Open	Closed	Open
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