INTEL CORPORATION

R440LX

Device Type	Mainboard
Processor	Pentium II (2)
Processor Speed	233/266/300MHz
Chip Set	Intel 440LX
Video Chip Set	Cirrus Logic
Maximum Onboard Memory	512MB(SDRAM supported)
Maximum Video Memory	1MB
Cache	256/512KB (located on the Pentium II CPU)
BIOS	Unidentified
Dimensions	Unidentified
I/O Options	32-bit PCI slots (4), Ethernet 10BaseT connector, floppy drive interface, IDE interfaces (2), Wide SCSI interface, parallel port, PS/2 mouse port, serial port, serial interface, VGA port, ATX power connector
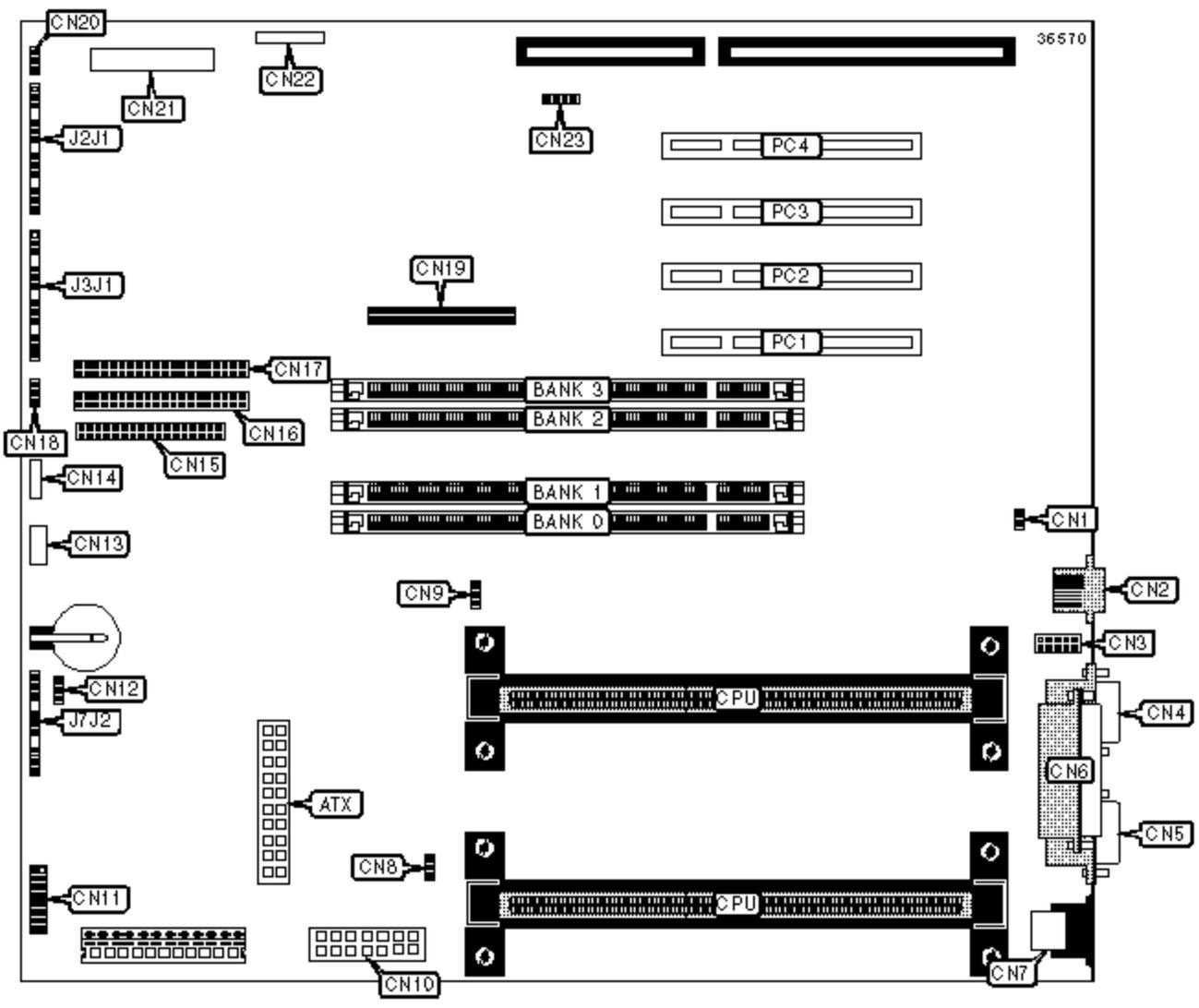
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	Floppy drive interface	CN15
Chassis intrusion switch connector	CN1	IDE interface 2	CN16

RJ-45 UTP connector	CN2	IDE interface 1	CN17
Serial interface	CN3	Fan power connector	CN18
15-pin video connector	CN4	Wide SCSI interface	CN19
Serial port 1	CN5	Fan power connector	CN20
Parallel port	CN6	Server monitor mechanism connector	CN21
PS/2 mouse port	CN7	ISP connector	CN22
CPU fan power connector	CN8	Hard drive LED connector	CN23
CPU fan power connector	CN9	Reset switch connector	J7J2/Pins 1 & 2
Auxiliary power connector	CN10	Power LED connector	J7J2/Pins 3 - 5
Front panel connector	CN11	IDE interface LED connector	J7J2/Pins 6 - 9
Local IMBconnector	CN12	Power switch connector	J7J2/Pins 10 & 11
System management bus connector	CN13	32-bit PCI slots	PC1 - PC4
External speaker connector	CN14		

USER CONFIGURABLE SETTINGS			
	Function	**Label**	**Position**
»	CMOS memory normal operation	J2J1	Pins 1 & 2 closed
	CMOS memory clear	J2J1	Pins 2 & 3 closed
»	Password normal operation	J2J1	Pins 5 & 6 closed
	Password clear	J2J1	Pins 6 & 7 closed
»	Boot from BIOS in flash memory enabled	J2J1	Pins 9 & 10 closed
	Boot from BIOS code on floppy enabled	J2J1	Pins 10 & 11 closed
»	BIOS boot block write-protect enabled	J2J1	Pins 13 & 14 closed
	BIOS boot block write-protect disabled	J2J1	Pins 14 & 15 closed
»	Processor speed configuration write-protection enabled	J3J1	Pins 1 & 2 closed
	Processor speed configuration write-protection disabled	J3J1	Pins 2 & 3 closed
»	Boot from processor 1 enabled, should processor 0 fail	J3J1	Pins 5 & 6 closed

			J3J1	Pins 6 & 7 closed
	Boot only from processor 0		J3J1	Pins 6 & 7 closed
»	Chassis intrusion detection enabled		J3J1	Pins 9 & 10 closed
	Chassis intrusion detection disabled		J3J1	Pins 10 & 11 closed
»	Maximum host in-order queue depth enabled		J3J1	Pins 13 & 14 closed
	Host in-order queue depth set to one		J3J1	Pins 14 & 15 closed

DIMM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
32MB	(1) 4M x 64	None	None	None
64MB	(1) 8M x 64	None	None	None
64MB	(1) 4M x 64	(1) 4M x 64	None	None
96MB	(1) 8M x 64	(1) 4M x 64	None	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	None
128MB	(1) 16M x 64	None	None	None
128MB	(1) 8M x 64	(1) 8M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64	None
128MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None	None
160MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64	None
160MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None	None
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64	None
224MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
224MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
256MB	(1) 32M x 64	None	None	None

256MB	(1) 16M x 64	(1) 16M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
256MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
288MB	(1) 32M x 64	(1) 4M x 64	None	None
288MB	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64	None
288MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64	None	None
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64	None
320MB	(1) 16M x 64	(1) 16M x 64	(1) 8M x 64	None
320MB	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
320MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
352MB	(1) 32M x 64	(1) 8M x 64	(1) 4M x 64	None
352MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
352MB	(1) 16M x 64	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
384MB	(1) 32M x 64	(1) 16M x 64	None	None
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64	None
384MB	(1) 32M x 64	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	None
384MB	(1) 16M x 64	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
416MB	(1) 32M x 64	(1) 16M x 64	(1) 4M x 64	None
416MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
416MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64
448MB	(1) 32M x 64	(1) 16M x 64	(1) 8M x 64	None
448MB	(1) 32M x 64	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
448MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
448MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 8M x 64
480MB	(1) 32M x 64	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None	None

512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64	None
512MB	(1) 32M x 64	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64

Note: Board accepts SDRAM memory.

CACHE CONFIGURATION

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