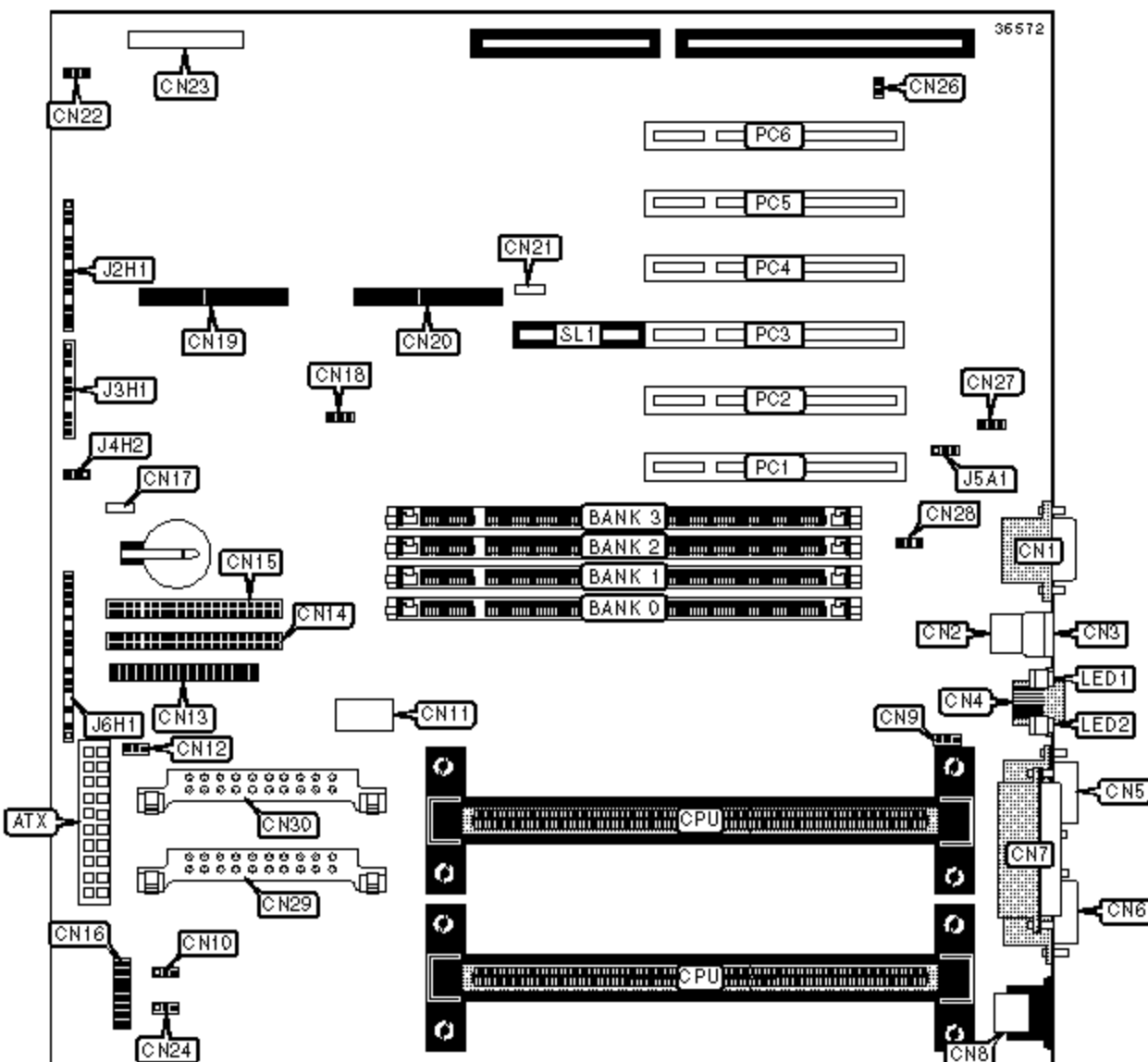


# INTEL CORPORATION

## C440GX+

<b>Device Type</b>	Mainboard
<b>Processor</b>	Pentium II Xeon (2)
<b>Processor Speed</b>	400/450/500/550MHz
<b>Chip Set</b>	Intel 440GX
<b>Video Chip Set</b>	Cirrus Logic
<b>Maximum Onboard Memory</b>	2GB (SDRAM supported)
<b>Maximum Video Memory</b>	2MB
<b>Cache</b>	512KB/1MB/2MB (located on the Pentium II CPU)
<b>BIOS</b>	Unidentified
<b>Dimensions</b>	305mm x 330mm
<b>I/O Options</b>	32-bit PCI slots (6), Ethernet 10BaseT connector, floppy drive interface, green PC connector, IDE interfaces (2), Wide Ultra SCSI interface, Ultra2 SCSI interface, parallel port, PS/2 mouse port, serial ports (2), VGA port, USB ports (2), ATX power connector, Wake-on-LAN connector



### CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	Wake-on-LAN connector	CN18

15-pin video port	CN1	Ultra Wide SCSI connector	CN19
USB port 1	CN2	Ultra2 SCSI connector	CN20
USB port 2	CN3	SCSI LED connector	CN21
RJ-45 UTP connector	CN4	Fan power connector	CN22
Serial port 2	CN5	Server Monitor Module connector	CN23
Serial port 1	CN6	Fan power connector	CN24
Parallel port	CN7	Chassis intrusion connector	CN26
PS/2 mouse port	CN8	Fan power connector	CN27
CPU fan power connector	CN9	CPU fan power connector	CN28
Fan power connector	CN10	Power switch connector	J6H1/Pins 1 & 2
Auxiliary ATX power connector	CN11	IDE interface LED connector	J6H1/Pins 4 - 7
Fan power connector	CN12	PC speaker connector	J6H1/Pins 8 - 11
Floppy drive interface	CN13	Power LED connector	J6H1/Pins 12 - 14
IDE interface 1	CN14	Reset switch connector	J6H1/Pins 16 & 17
IDE interface 2	CN15	Green PC switch connector	J6H1/Pins 18 & 19
Front panel connector	CN16	32-bit PCI slots	PC1 - PC6
Isolated Server Management IMB connector	CN17	Unidentified slot	SL1

### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	J2H1	Pins 1 & 2 closed
	CMOS memory clear	J2H1	Pins 2 & 3 closed
»	Password normal operation	J2H1	Pins 5 & 6 closed
	Password clear	J2H1	Pins 6 & 7 closed
»	Normal boot from BIOS in flash memory	J2H1	Pins 9 & 10 closed
	Boot from BIOS on floppy diskette, update flash memory	J2H1	Pins 10 & 11 closed
»	BIOS boot block write-protect enabled	J2H1	Pins 13 & 14 closed
	BIOS boot block write-protect disabled	J2H1	Pins 14 & 15 closed

»	System boots from processor 1 should processor 0 fail	J3H1	Pins 1 & 2 closed
	System boots from processor 0 only	J3H1	Pins 2 & 3 closed
»	Chassis intrusion detection disabled	J3H1	Pins 5 & 6 closed
	Chassis intrusion detection enabled	J3H1	Pins 6 & 7 closed
»	Normal system boot up	J3H1	Pins 9 & 10 closed
	System boot up attempts to update BMC firmware	J3H1	Pins 10 & 11 closed
»	BMC boot block write-protect enabled	J4H1	Pins 1 & 2 closed
	BMC boot block write-protect disabled	J4H1	Pins 2 & 3 closed
	Wake-on-LAN disabled	J5A1	Pins 1 & 2 closed
»	Wake-on-LAN enabled	J5A1	Pins 2 & 3 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) 32M x 64	(1) 2M x 64	(1) 2M x 64	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**
512MB	(1) 64M x 64*	None	None	None
544MB	(1) 32M x 64	(1) 32M x 64	(1) 4M x 64	None
544MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64
576MB	(1) 32M x 64**	(1) 32M x 64**	(1) 8M x 64**	None
576MB	(1) 32M x 64	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
576MB	(1) 32M x 64**	(1) 16M x 64**	(1) 16M x 64**	(1) 8M x 64**
576MB	(1) 64M x 64*	(1) 8M x 64*	None	None
608MB	(1) 32M x 64	(1) 32M x 64	(1) 8M x 64	(1) 4M x 64
640MB	(1) 32M x 64**	(1) 32M x 64**	(1) 16M x 64**	None
640MB	(1) 32M x 64**	(1) 32M x 64**	(1) 8M x 64**	(1) 8M x 64**
640MB	(1) 32M x 64*	(1) 16M x 64**	(1) 16M x 64**	(1) 16M x 64**
640MB	(1) 64M x 64*	(1) 16M x 64*	None	None
640MB	(1) 64M x 64*	(1) 8M x 64*	(1) 8M x 64*	None
672MB	(1) 32M x 64	(1) 32M x 64	(1) 16M x 64	(1) 4M x 64
704MB	(1) 32M x 64**	(1) 32M x 64**	(1) 16M x 64**	(1) 8M x 64**
704MB	(1) 64M x 64*	(1) 16M x 64*	(1) 8M x 64*	None
704MB	(1) 64M x 64*	(1) 8M x 64*	(1) 8M x 64*	(1) 8M x 64*
768MB	(1) 32M x 64**	(1) 32M x 64**	(1) 32M x 64**	None
768MB	(1) 32M x 64**	(1) 32M x 64**	(1) 16M x 64**	(1) 16M x 64**

768MB	(1) 64M x 64*	(1) 32M x 64*	None	None
768MB	(1) 64M x 64*	(1) 16M x 64*	(1) 16M x 64*	None
768MB	(1) 64M x 64*	(1) 16M x 64*	(1) 8M x 64*	(1) 8M x 64*
800MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	(1) 4M x 64
836MB	(1) 32M x 64**	(1) 32M x 64**	(1) 32M x 64**	(1) 8M x 64**
836MB	(1) 32M x 64**	(1) 32M x 64**	(1) 32M x 64**	None
1024MB	(1) 32M x 64**	(1) 32M x 64**	(1) 32M x 64**	(1) 32M x 64**
1024MB	(1) 64M x 64*	(1) 64M x 64*	None	None
1024MB	(1) 64M x 64*	(1) 32M x 64*	(1) 32M x 64*	None
1024MB	(1) 64M x 64*	(1) 32M x 64*	(1) 16M x 64*	(1) 16M x 64*
1088MB	(1) 64M x 64*	(1) 32M x 64*	(1) 32M x 64*	(1) 8M x 64*
1088MB	(1) 64M x 64*	(1) 64M x 64*	(1) 8M x 64*	None
1152MB	(1) 64M x 64*	(1) 64M x 64*	(1) 16M x 64*	None
1152MB	(1) 64M x 64*	(1) 32M x 64*	(1) 32M x 64*	(1) 16M x 64*
1152MB	(1) 64M x 64*	(1) 64M x 64*	(1) 8M x 64*	(1) 8M x 64*
1216MB	(1) 64M x 64*	(1) 64M x 64*	(1) 16M x 64*	(1) 8M x 64*
1280MB	(1) 64M x 64*	(1) 64M x 64*	(1) 32M x 64*	None
1280MB	(1) 64M x 64*	(1) 64M x 64*	(1) 16M x 64*	(1) 16M x 64*
1280MB	(1) 64M x 64*	(1) 32M x 64*	(1) 32M x 64*	(1) 32M x 64*
1344MB	(1) 64M x 64*	(1) 64M x 64*	(1) 32M x 64*	(1) 8M x 64*
1408MB	(1) 64M x 64*	(1) 64M x 64*	(1) 32M x 64*	(1) 16M x 64*
1536MB	(1) 64M x 64*	(1) 64M x 64*	(1) 64M x 64*	None
1536MB	(1) 64M x 64*	(1) 64M x 64*	(1) 32M x 64*	(1) 32M x 64*
1600MB	(1) 64M x 64*	(1) 64M x 64*	(1) 64M x 64*	(1) 8M x 64*
1664MB	(1) 64M x 64*	(1) 64M x 64*	(1) 64M x 64*	(1) 16M x 64*
1792MB	(1) 64M x 64*	(1) 64M x 64*	(1) 64M x 64*	(1) 32M x 64*
2048MB	(1) 64M x 64*	(1) 64M x 64*	(1) 64M x 64*	(1) 64M x 64*

Note: Board accepts SDRAM memory.

\*Note: Designated DIMMs must be registered memory.

\*\*Note: Designated DIMM combinations can be either registered or unbuffered memory.

### CACHE CONFIGURATION

Note: 512KB/2MB cache is located on the Pentium II CPU.

### DIAGNOSTIC LED(S)

LED	Color	Status	Condition
LED1	Green	On	Network connection is good
LED1	Green	Blinking	Data is being transmitted/received
LED1	Green	Off	Network connection is broken
LED2	Orange	On	Operating at 100Mbps
LED2	Orange	Off	Operating at 10Mbps