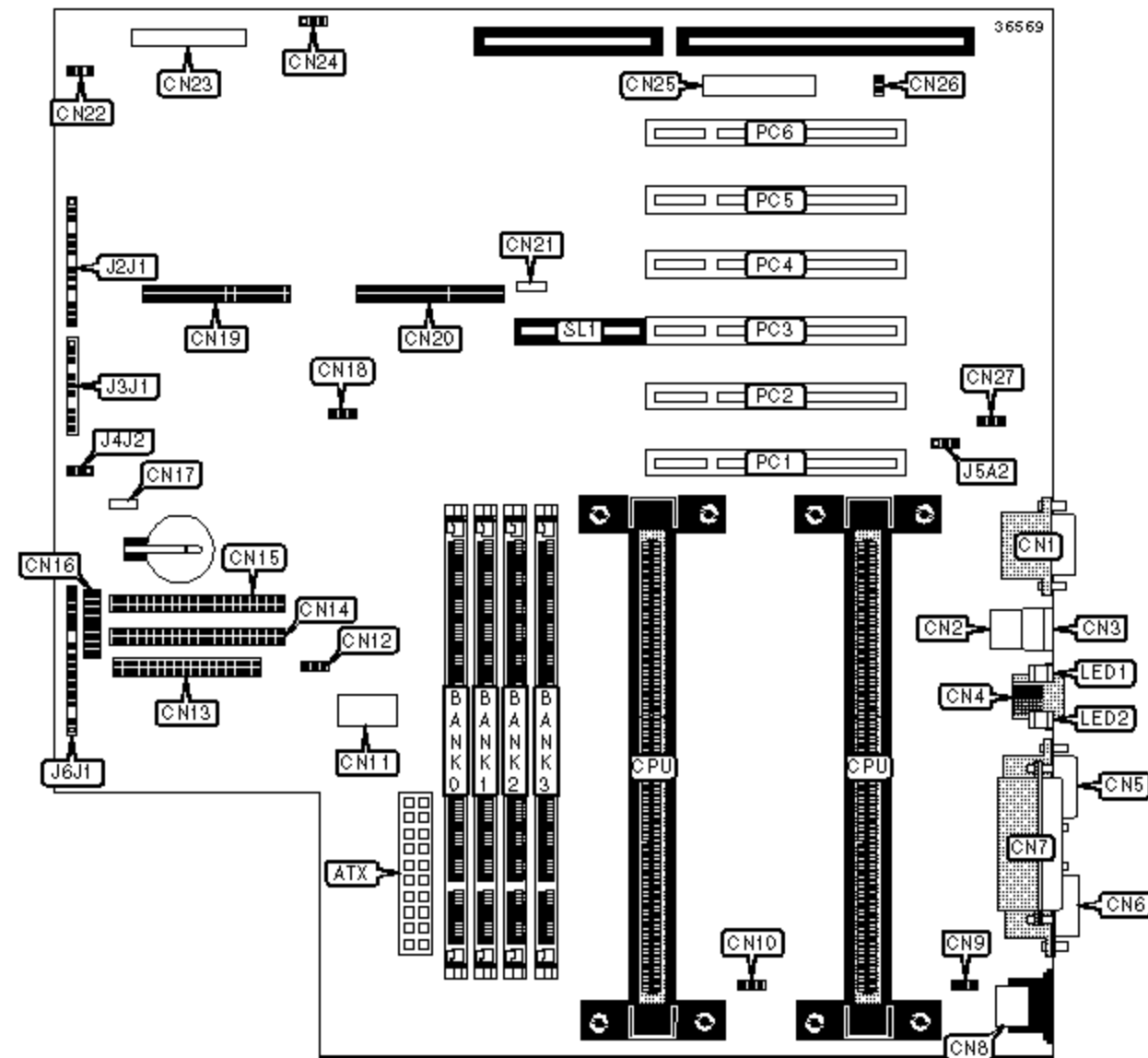


INTEL CORPORATION

L440GX+

Device Type	Mainboard
Processor	Pentium II
Processor Speed	300/350/400/450MHz
Chip Set	Intel 440GX
Video Chip Set	Cirrus Logic
Maximum Onboard Memory	2GB (SDRAM supported)
Maximum Video Memory	2MB
Cache	256/512KB (located on the Pentium II CPU)
BIOS	Unidentified
Dimensions	304 x 330
I/O Options	32-bit PCI slots (6), Ethernet 10BaseT connector, floppy drive interface, IDE interfaces (2), Wide Ultra SCSI interfaces (2), parallel port, PS/2 mouse port, serial ports (2), VGA port, USB connectors (2), ATX power connector



CONNECTIONS

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

15-pin analog video port	CN1	Ultra wide SCSI connector	CN19
USB port 1	CN2	Ultra2/LVD SCSI connector	CN20
USB port 2	CN3	Hard drive LED connector	CN21
RJ-45 UTP connector	CN4	Fan power connector	CN22
Serial port 1	CN5	Server monitor module connector	CN23
Serial port 2	CN6	External Wake-on-LAN connector	CN24
Parallel port	CN7	Intelligent Chassis Management connector	CN25
PS/2 mouse port	CN8	Chassis intrusion connector	CN26
CPU fan power connector	CN9	Fan power connector	CN27
CPU fan power connector	CN10	Power switch connector	J6J1/Pins 1 & 2
ATX auxiliary connector	CN11	IDE interface LED connector	J6J1/Pins 4 - 7
Fan power connector	CN12	PC speaker connector	J6J1/Pins 8 - 11
Floppy drive interface	CN13	Power LED connector	J6J1/Pins 12 - 14
IDE interface 1	CN14	Reset switch connector	J6J1/Pins 16 & 17
IDE interface 2	CN15	Green PC switch connector	J6J1/Pins 18 & 19
Front panel connector	CN16	32-bit PCI slots	PC1 - PC6
Isolated Server Management connector	CN17	ARO-1130 connector	SL1

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Preserve contents of CMOS	J2J1	Pins 1 & 2 closed
	Reset CMOS to default settings	J2J1	Pins 2 & 3 closed
	Enable and retain power up password	J2J1	Pins 5 & 6 closed
	Clear power up password	J2J1	Pins 6 & 7 closed
	Normal boot up from BIOS	J2J1	Pins 9 & 10 closed
	Enable recovery boot up (load BIOS data from floppy)	J2J1	Pins 10 & 11 closed
	Enable write-protect on BIOS flash memory	J2J1	Pins 13 & 14 closed

	Disable write-protect on BIOS flash memory	J2J1	Pins 14 & 15 closed
	Attempt boot from processor 1 if processor 0 fails	J3J1	Pins 1 & 2 closed
	Boot from processor 0, only	J3J1	Pins 2 & 3 closed
	Enable chassis intrusion detection	J3J1	Pins 5 & 6 closed
	Disable chassis intrusion detection	J3J1	Pins 6 & 7 closed
	Normal operation	J3J1	Pins 9 & 10 closed
	Enable BMC update on power on	J3J1	Pins 10 & 11 closed
	Enable write-protect on BMC boot block	J4J2	Pins 1 & 2 closed
	Disable write-protect on BMC boot block	J4J2	Pins 2 & 3 closed
	Enable Wake-on-LAN	J5A2	Pins 2 & 3 closed
	Disable Wake-on-LAN	J5A2	Pins 1 & 2 closed
	CMOS memory clear	W510	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: 256KB/512KB cache is located on the Pentium II CPU.