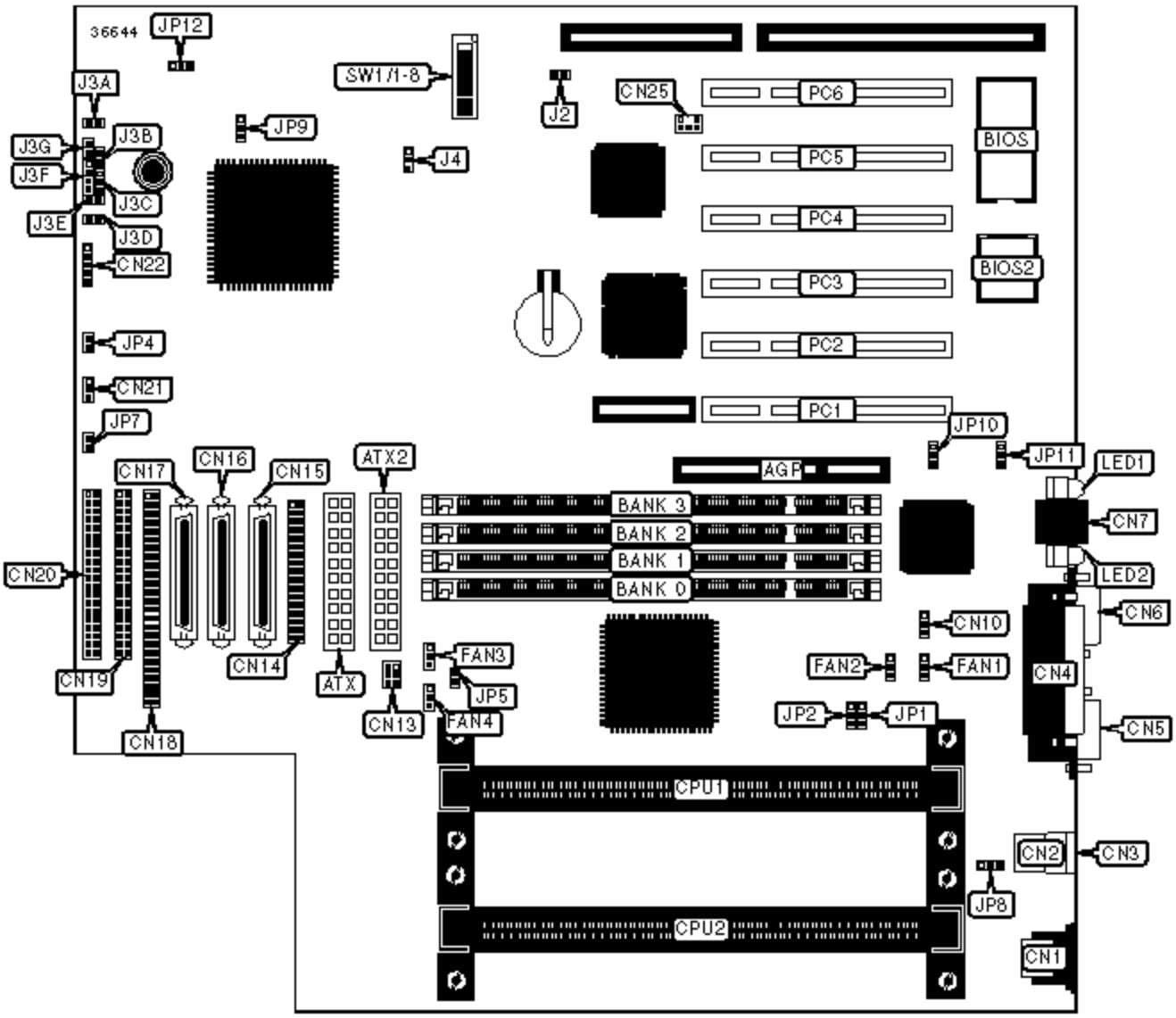
GIGA-BYTE TECHNOLOGY CO., LTD.

GA-6GXDW (REV. 1.2)

Device Type	Mainboard
Processor	Pentium II Xeon/Pentium III Xeon
Processor Speed	400/450/500/550/600/650MHz
Chip Set	Intel 440GX
Maximum Onboard Memory	2GB (SDRAM supported)
Cache	2MB (located on the Xeon CPU)
BIOS	Award - Dual BIOS
Dimensions	305mm x 330mm
I/O Options	32-bit PCI slots (6), Ethernet 10BaseT connector, floppy drive interface, green PC connector, IDE interfaces (2), Ultra SCSI interface, Ultra2 SCSI interfaces (3), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connectors (2), AGP slot, Wake-on-LAN connector, Power-on-modem connector, SB-link connector



CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
AGP slot	AGP	System fan power	CN21
ATX power connector 1	ATX	IR connector	CN22

ATX power connector 2	ATX2	SB-Link connector	CN25
PS/2 mouse port	CN1	Fan 1 power	FAN1
USB connector 1	CN2	Fan 2 power	FAN2
USB connector 2	CN3	Fan 3 power	FAN3
Parallel port	CN4	Fan 4 power	FAN4
Serial port 1	CN5	Power-on-modem connector	J2
Serial port 2	CN6	Green PC LED	J3A
RJ-45 UTP connector	CN7	Power switch	J3B
Power supply fan	CN10	Power LED	J3C
Power fan sensor connector	CN13	Green PC connector	J3D
Floppy drive interface	CN14	IDE interface LED	J3E
Ultra2 SCSI connector - external	CN15	PC speaker	J3F
Ultra2 SCSI connector 2	CN16	Reset switch	J3G
Ultra2 SCSI connector 1	CN17	Wake-on-LAN connector	J4
Ultra SCSI connector	CN18	Case open connector	JP7
IDE interface 2	CN19	32-bit PCI slots	PC1 - PC6
IDE interface 1	CN20		

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	System returns to Soft Off after power outage	JP4	Open
	System returns to Full On after power outage	JP4	Closed
»	Spread Spectrum set to Down Spread	JP5	Closed
	Spread Spectrum set to Center Spread	JP5	Open
»	Keyboard power on disabled	JP8	Pins 2 & 3 closed
	Keyboard power on enabled	JP8	Pins 1 & 2 closed
»	Onboard SCSI enabled	JP9	Pins 1 & 2 closed
	Onboard SCSI disabled	JP9	Pins 2 & 3 closed

»	Onboard LAN enabled	JP10	Pins 1 & 2 closed
	Onboard LAN disabled	JP10	Pins 2 & 3 closed
»	Wake-on-LAN disabled	JP11	Pins 2 & 3 closed
	Wake-on-LAN enabled	JP11	Pins 1 & 2 closed
»	Onboard SCSI LED enabled	JP12	Pins 1 & 2 closed
	Onboard SCSI LED disabled	JP12	Pins 2 & 3 closed
Note: The SCSI LED should be disabled at the same time that the on board SCSI is disabled.			

DIMM CONFIGURATION				
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
16MB	(1) 2M x 64	None	None	None
32MB	(1) 2M x 64	(1) 2M x 64	None	None
32MB	(1) 4M x 64	None	None	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	None
64MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None	None
64MB	(1) 8M x 64	None	None	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
128MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None	None
128MB	(1) 16M x 64	None	None	None
160MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
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
256MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64	None	None
256MB	(1) 32M x 64	None	None	None

288MB	(1) 16M x 64	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
320MB	(1) 16M x 64	(1) 16M 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
512MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None	None
544MB	(1) 32M x 64	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
576MB	(1) 32M x 64	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
640MB	(1) 32M x 64	(1) 32M 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
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
1056MB	(1) 64M x 64	(1) 64M x 64	(1) 2M x 64	(1) 2M x 64
1088MB	(1) 64M x 64	(1) 64M x 64	(1) 4M x 64	(1) 4M x 64
1152MB	(1) 64M x 64	(1) 64M x 64	(1) 8M x 64	(1) 8M x 64
1280MB	(1) 64M x 64	(1) 64M x 64	(1) 16M x 64	(1) 16M x 64
1536MB	(1) 64M x 64	(1) 64M x 64	(1) 32M x 64	(1) 32M x 64
1536MB	(1) 64M x 64	(1) 64M x 64	(1) 64MB x 64	None
2048MB	(1) 64M x 64	(1) 64M x 64	(1) 64MB x 64	(1) 64MB x 64
Note: Board supports SDRAM memory.				

CLOCK SPEED SELECTION		
Speed	**JP1**	**JP2**
<133MHz	Pins 1 & 2 closed	Pins 1 & 2 closed
133MHz	Pins 2 & 3 closed	Pins 2 & 3 closed

CPU SPEED SELECTION (PENTIUM II)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
400MHz	100MHz	4x	On	On	Off	On
450MHz	100MHz	4.5x	Off	On	Off	On

CPU SPEED SELECTION (PENTIUM II CONT)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
400MHz	100MHz	4x	Off	Off	Off	Off
450MHz	100Mhz	4.5x	Off	Off	Off	Off

CPU SPEED SELECTION (PENTIUM III)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
500MHz	100MHz	5x	On	Off	Off	On
550MHz	100MHz	5.5x	Off	Off	Off	On
600MHz	100MHz	6x	On	On	On	Off
650MHz	100MHz	6.5x	Off	On	On	Off

CPU SPEED SELECTION (PENTIUM III CONT)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
500MHz	100MHz	5x	Off	Off	Off	Off
550MHz	100MHz	5.5x	Off	Off	Off	Off
600MHz	100MHz	6x	Off	Off	Off	Off
650MHz	100MHz	6.5x	Off	Off	Off	Off

DIAGNOSTIC LED(S)

LED	Color	Status	Condition
LED1	Green	On	Network connection is good
LED1	Green	Off	

LED1	Green	Off	Netword connection is broken
LED2	Yellow	On (Blinking)	Data is being received
LED2	Yellow	Off	Data is not being received