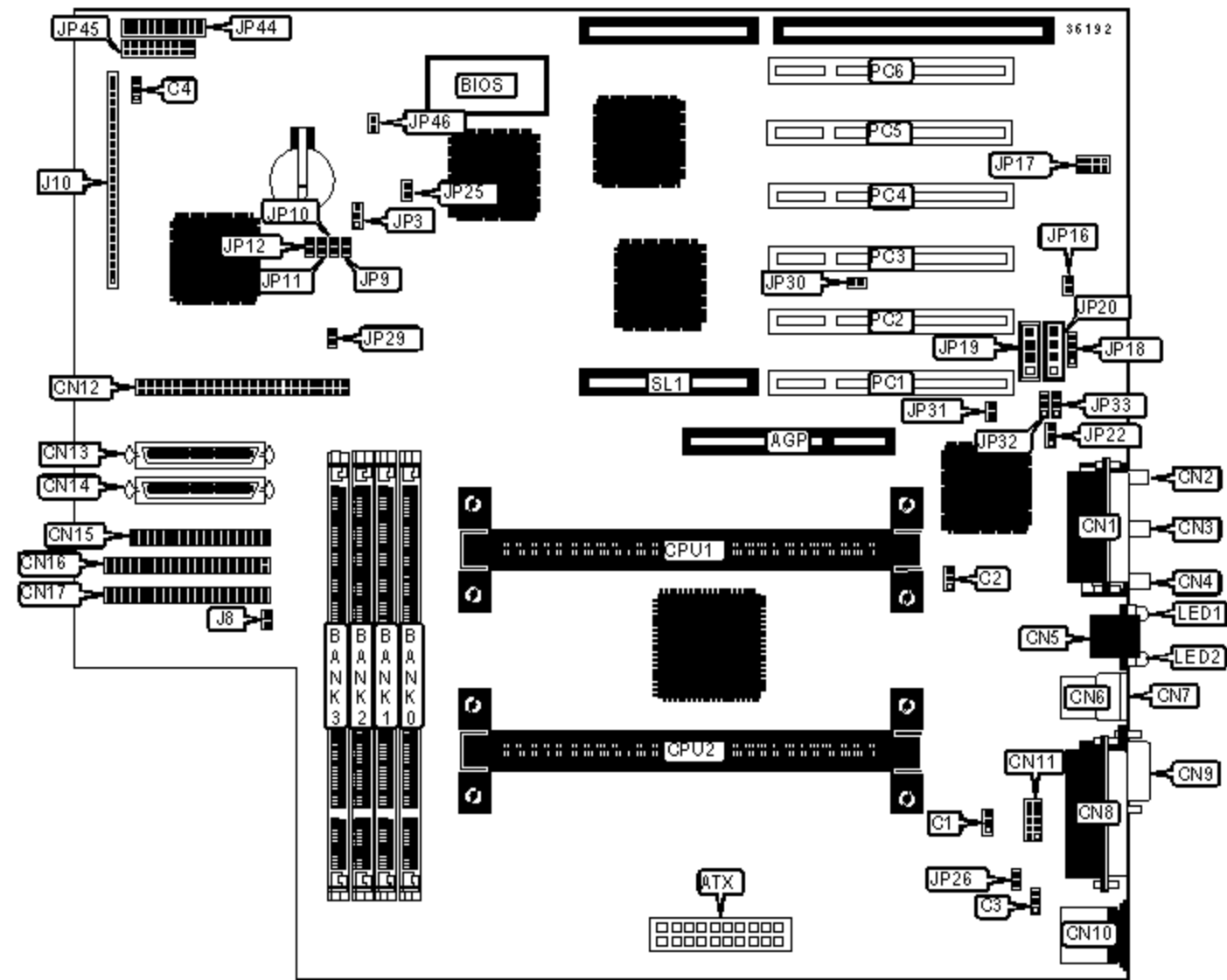


TYAN COMPUTER CORPORATION

S1836DLUAN-GX

Device Type	Mainboard
Processor	Pentium II/Celeron
Processor Speed	233/266/300/333/350/400/450/500MHz
Chip Set	Intel 440GX
Maximum Onboard Memory	2GB SDRAM
Audio Chip Set	Vibra
Cache	0/128/256/512KB (located on the CPU)
BIOS	AMI
Dimensions	305mm x 244mm
I/O Options	32-bit PCI slots (6), floppy drive interface, game/MIDI port, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector, AGP slot, line in, line out, microphone in, wavetable connector, audio in - CD-ROMs (2), RAID slot, wake on LAN connector, proprietary server connector



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Chassis intrusion connector	J8
ATX power connector	ATX	Soft off power supply	J10/pins 1 & 2

CPU fan power	C1	Green PC connector	J10/pins 3 & 4
CPU fan power	C2	IR connector	J10/pins 6 - 10
CPU fan power	C3	IDE interface LED	J10/pins 13 - 16
Chassis fan power	C4	Power LED	J10/pins 18 & 20
Game/MIDI port	CN1	Reset switch	J10/pins 22 & 23
Microphone in	CN2	Speaker	J10/pins 24 - 27
Line in	CN3	Wavetable connector	JP17
Line out	CN4	Modem connector	JP18
Ethernet 10BaseT connector	CN5	Audio in - CD-ROM(Panasonic)	JP19
USB connector 1	CN6	Audio in - CD-ROM (Mitsumi)	JP20
USB connector 2	CN7	Wake on LAN connector	JP22
Parallel port	CN8	Green PC connector	JP25
Serial port 1	CN9	Proprietary server connector	JP44
PS/2 mouse port	CN10	Power LED	JP45/pins 1 & 2
Serial port 2	CN11	IDE interface LED	JP45/pins 3 & 4
SCSI interface	CN12	Soft off power supply	JP45/pins 5 & 6
Wide SCSI interface	CN13	Reset switch	JP45/pins 7 & 8
Wide SCSI interface	CN14	SMI switch	JP45/pins 9 & 10
Floppy drive interface	CN15	32-bit PCI slots	PC1 - PC6
IDE interface 2	CN16	RAID slot	SL1
IDE interface 1	CN17		

DIAGNOSTIC LEDS

LED	Color	Status	Condition
LED1	Yellow	On	Network connection operating at 100Mbps
LED1	Yellow	Off	Network connection operating at 10Mbps
LED2	Green	On	Ethernet connection is good
LED2	Green	Off	Ethernet connection is good

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Factory configured - do not alter	JP2	Unidentified
»	CMOS memory normal operation	JP3	Pins 1 & 2 closed
	CMOS memory clear	JP3	Pins 2 & 3 closed
»	On board sound enabled	JP16	Open
	On board sound disabled	JP16	Closed
	WOL power disabled	JP26	Open
	WOL power enabled	JP26	Closed
»	SCSI tagram enabled	JP27	Pins 1 & 2 closed
	SCSI tagram disabled	JP27	Pins 2 & 3 closed
»	Factory configured - do not alter	JP28	Pins 1 & 2 closed
»	SCSI enabled	JP29	Open
	SCSI disabled	JP29	Closed
»	PCI-PCI bridge enabled	JP30	Open
	PCI-PCI bridge disabled	JP30	Closed
»	Ethernet enabled	JP31	Open
	Ethernet disabled	JP31	Closed
»	Factory configured - do not alter	JP46	Unidentified

DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2	Bank 3
8MB	(1) 1M x 64	None	None	None

16MB	(1) 2M x 64	None	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None	None
24MB	(1) 2M x 64	(1) 1M x 64	None	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	None
32MB	(1) 4M x 64	None	None	None
32MB	(1) 2M x 64	(1) 2M x 64	None	None
32MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
40MB	(1) 4M x 64	(1) 1M x 64	None	None
48MB	(1) 4M x 64	(1) 2M x 64	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) 8M x 64	None	None	None
64MB	(1) 4M x 64	(1) 4M x 64	None	None
72MB	(1) 8M x 64	(1) 1M x 64	None	None
80MB	(1) 8M x 64	(1) 2M 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) 4M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
136MB	(1) 16M x 64	(1) 1M x 64	None	None
144MB	(1) 16M x 64	(1) 2M x 64	None	None
256MB	(1) 16M x 64	(1) 16M x 64	None	None
256MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
272MB	(1) 16M x 64	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
280MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
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

448MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 64M x 64	None	None	None
512MB	(1) 32M x 64	(1) 32M x 64	None	None
512MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
640MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
768MB	(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) 32M x 64	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64
1536MB	(1) 64M x 64	(1) 64M x 64	(1) 64M x 64	None
2048MB	(1) 64M x 64	(1) 64M x 64	(1) 64M x 64	(1) 64M x 64
Note: Board accepts SDRAM memory.				

CACHE CONFIGURATION

Note: 256KB/512KB cache is located on the Pentium II CPU. 128KB cache is located on the Celeron 300A & 333 CPU.

CPU SPEED SELECTION

CPU speed	Clock speed	Multiplier	JP9	JP10	JP11	JP12
233MHz	66MHz	3.5x	Closed	Open	Open	Closed
266MHz	66MHz	4x	Open	Closed	Closed	Closed
300MHz	66MHz	4.5x	Open	Closed	Open	Closed
300MHz	100MHz	3x	Closed	Open	Closed	Closed
333MHz	66MHz	5x	Open	Open	Closed	Closed
350MHz	100MHz	3.5x	Closed	Open	Open	Closed
400MHz	100MHz	4x	Open	Closed	Closed	Closed
450MHz	100MHz	4.5x	Open	Closed	Open	Closed
500MHz	100MHz	5x	Open	Open	Closed	Closed

LINE OUT SELECTION

Setting		JP32	JP33
»	Preamp disabled	Pins 2 & 3 closed	Pins 2 & 3 closed
	Preamp enabled	Pins 1 & 2 closed	Pins 1 & 2 closed