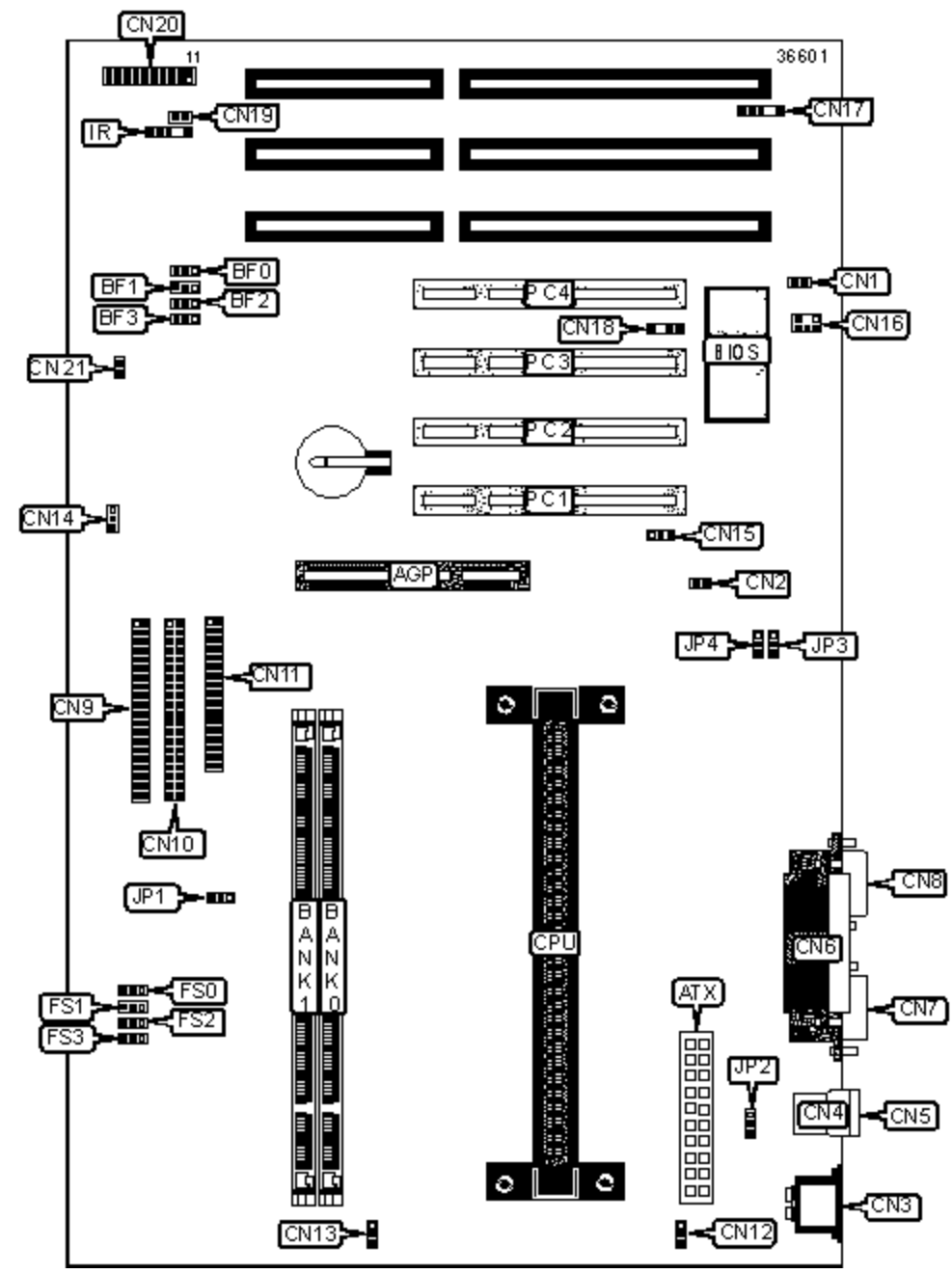


ASUS COMPUTER INTERNATIONAL

P2-99 (REV. 1.12)

Device Type	Mainboard
Processor	Pentium II/Pentium III/Celeron
Processor Speed	233/266/300/333/350/400/433/450/466/500/550MHz
Chip Set	Intel 440ZX
Maximum Onboard Memory	512MB (SDRAM supported)
Cache	0/128/256/512KB (located on the CPU)
BIOS	Award
Dimensions	304mm x 190mm
I/O Options	32-bit PCI slots (4), floppy drive interface, 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, Wake-on-LAN connector, Wake-on-ring connector, SB-Link connector, SMBus connector



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Chassis fan power	CN14
ATX power connector	ATX	Wake-on-LAN connector	CN15
Power supply thermal sensor connector	CN1	SB-Link connector	CN16
CPU thermal sensor connector	CN2	SMBus connector	CN17
PS/2 mouse port	CN3	Chassis intrusion sensor connector	CN18
USB connector 1	CN4	IDE interface LED	CN19
USB connector 2	CN5	Power LED & keylock	CN20/Pins 1 -5
Parallel port	CN6	Speaker	CN20/Pins 7-10
Serial port 1	CN7	Message LED	CN20/Pins 12 & 13
Serial port 2	CN8	Green PC connector	CN20/Pins 14 & 15
IDE interface 1	CN9	Soft off power supply	CN20/Pins 16 & 17
IDE interface 2	CN10	Reset switch	CN20/Pins 19 & 20
Floppy drive interface	CN11	Wake-on-ring connector	CN21
Power fan	CN12	IR connector	IR
CPU fan power	CN13	32-bit PCI slots	PC1 - PC4

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	AGP frequency 2/3 of CPU frequency	JP1	Pins 1 & 2 Closed
	AGP frequency equal to CPU frequency	JP1	Pins 2 & 3 Closed
»	Keyboard power on disabled	JP2	Pins 1 & 2 Closed
	Keyboard power on enabled	JP2	Pins 2 & 3 Closed
»	I/O voltage normal	JP3	Pins 2 & 3 Closed
	I/O voltage test	JP3	Pins 1 & 2 Closed
»	Core voltage normal	JP4	Pins 2 & 3 Closed
	Core voltage test	JP4	Pins 1 & 2 Closed

DIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(1) 1M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
16MB	(1) 2M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64
32MB	(1) 4M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64
64MB	(1) 8M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64
128MB	(1) 16M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64
256MB	(1) 32M x 64	None
264MB	(1) 32M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64

384MB	(1) 32M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64
Note: Board supports SDRAM memory.		

CACHE CONFIGURATION

Note: 256KB/512KB cache is located on the Pentium II/Pentium III CPU. 128KB cache is located on the Celeron 300A and greater CPU.

CPU SPEED SELECTION (CELERON)

CPU speed	Clock speed	Multiplier	FS0	FS1	FS2	FS3
266MHz	66MHz	4x	1 & 2	1 & 2	2 & 3	2 & 3
300MHz	66MHz	4.5x	1 & 2	1 & 2	2 & 3	2 & 3
333MHz	66MHz	5x	1 & 2	1 & 2	2 & 3	2 & 3
400MHz	66MHz	6x	1 & 2	1 & 2	2 & 3	2 & 3
400MHz	100MHz	4x	1 & 2	1 & 2	1 & 2	2 & 3
433MHz	66MHz	6.5x	1 & 2	1 & 2	2 & 3	2 & 3
466MHz	66MHz	7x	1 & 2	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CELERON CONT)

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	BF3
266MHz	66MHz	4x	2 & 3	2 & 3	1 & 2	2 & 3
300MHz	66MHz	4.5x	1 & 2	2 & 3	1 & 2	2 & 3
333MHz	66MHz	5x	2 & 3	1 & 2	1 & 2	2 & 3
400MHz	66MHz	6x	2 & 3	2 & 3	2 & 3	1 & 2
400MHz	100MHz	4x	2 & 3	2 & 3	1 & 2	2 & 3
433MHz	66MHz	6.5x	1 & 2	2 & 3	2 & 3	1 & 2
466MHz	66MHz	7x	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (PENTIUM II)

CPU speed	Clock speed	Multiplier	FS0	FS1	FS2	FS3
233MHz	66MHz	3.5x	1 & 2	1 & 2	2 & 3	2 & 3
266MHz	66MHz	4x	1 & 2	1 & 2	2 & 3	2 & 3
300MHz	66MHz	4.5x	1 & 2	1 & 2	2 & 3	2 & 3
333MHz	66MHz	5x	1 & 2	1 & 2	2 & 3	2 & 3
350MHz	100MHz	3.5x	1 & 2	1 & 2	1 & 2	2 & 3
400MHz	100MHz	4x	1 & 2	1 & 2	1 & 2	2 & 3
450MHz	100MHz	4.5x	1 & 2	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (PENTIUM II CONT)

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	BF3
233MHz	66MHz	3.5x	1 & 2	1 & 2	2 & 3	2 & 3
266MHz	66MHz	4x	2 & 3	2 & 3	1 & 2	2 & 3
300MHz	66MHz	4.5x	1 & 2	2 & 3	1 & 2	2 & 3
333MHz	66MHz	5x	2 & 3	1 & 2	1 & 2	2 & 3
350MHz	100MHz	3.5x	1 & 2	1 & 2	2 & 3	2 & 3
400MHz	100MHz	4x	2 & 3	2 & 3	1 & 2	2 & 3
450MHz	100MHz	4.5x	1 & 2	2 & 3	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (PENTIUM III)

CPU speed	Clock speed	Multiplier	FS0	FS1	FS2	FS3
450MHz	100MHz	4.5x	1 & 2	1 & 2	1 & 2	2 & 3

500MHz	100MHz	5x	1 & 2	1 & 2	1 & 2	2 & 3
550MHz	100MHz	5.5x	1 & 2	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (PENTIUM III CONT)

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	BF3
450MHz	100MHz	4.5x	1 & 2	2 & 3	1 & 2	2 & 3
500MHz	100MHz	5x	2 & 3	1 & 2	1 & 2	2 & 3
550MHz	100MHz	5.5x	1 & 2	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.