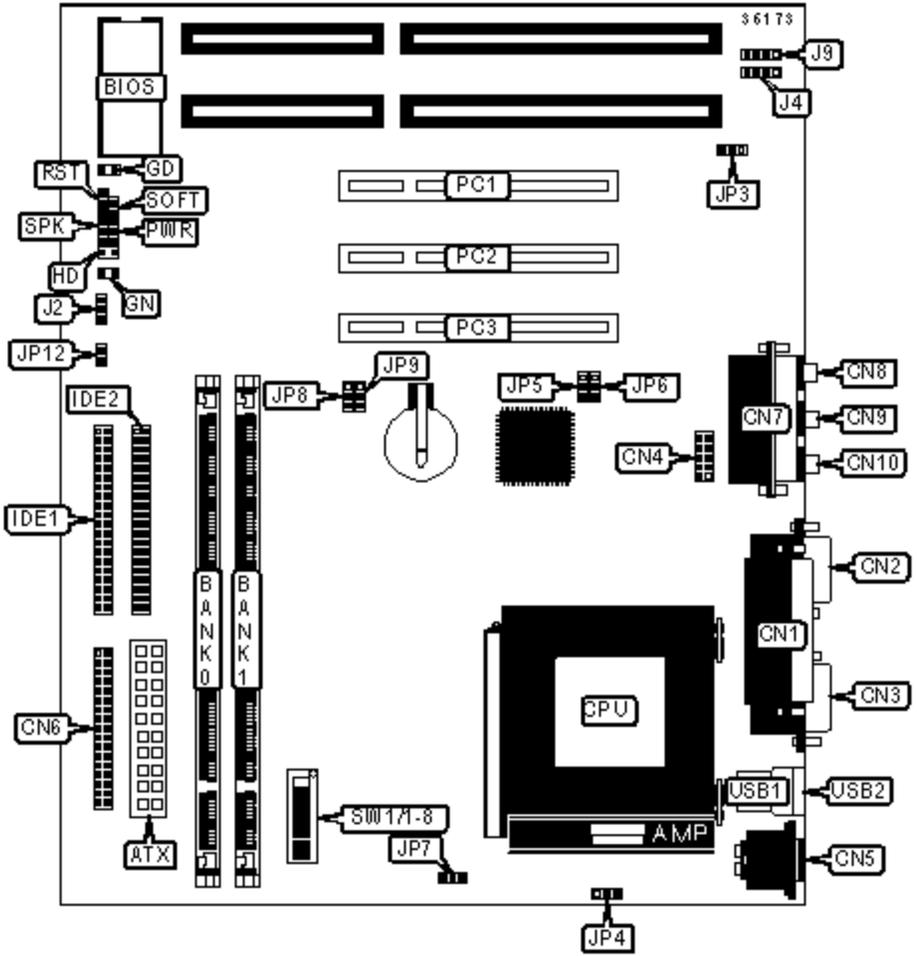


GIGA-BYTE TECHNOLOGY CO., LTD.

GA-5AMMC

| | |
|--------------------------------|--|
| Device Type | Mainboard |
| Processor | CX 6x86MX/IBM 6x86MX/CX MII/AM K5/AM K6/AM K6-2/Pentium/Pentium MMX/IDT C6 |
| Processor Speed | 133/166/200/225/233/266/300/333/350/380/400MHz |
| Chip Set | ALI |
| Video Chip Set | ATI |
| Audio Chip Set | ESS |
| Maximum Onboard Memory | 512MB |
| Maximum Video Memory | 4MB |
| Cache | 512KB |
| BIOS | Award |
| Dimensions | 243.87mm x 200mm |
| I/O Options (backplane) | 32-bit PCI slots (3), floppy drive interface, game port, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports, serial interface, VGA port, USB connectors (2), ATX power connector, line in, line out, microphone in, audio in - CD-ROMs (2) |



CONNECTIONS

| Purpose | Location | Purpose | Location |
|---------------------|----------|-----------------------|----------|
| ATX power connector | ATX | IDE interface 1 | IDE1 |
| Parallel port | CN1 | IDE interface 2 | IDE2 |
| VGA port | CN2 | Wake-on-lan connector | J2 |
| Serial port 1 | CN3 | Audio in - CD-ROM | J4 |

| | | | |
|------------------------|------|------------------------|--------------|
| Serial port 1 | CN3 | Audio in - CD-ROM | J4 |
| Serial 2 interface | CN4 | Audio in - CD-ROM | J9 |
| PS/2 mouse port | CN5 | CPU fan power | JP7 |
| Floppy drive interface | CN6 | Wake-on-ring connector | JP12 |
| Game port | CN7 | 32-bit PCI slots | PC1 - PC3 |
| Microphone in | CN8 | Power LED | PWR |
| Line in | CN9 | Reset switch | RST |
| Line out | CN10 | Soft off power supply | SOFT |
| Green PC LED | GD | Speaker | SPK |
| Green PC connector | GN | USB connector 1 | USB1 |
| IDE interface LED | HD | USB connector 2 | USB2 |

USER CONFIGURABLE SETTINGS

| Function | | Label | Position |
|----------|--|-------|-------------------|
| » | Onboard audio disabled | JP3 | Pins 2 & 3 closed |
| | Onboard audio enabled | JP3 | Pins 1 & 2 closed |
| » | Keyboard power on disabled | JP4 | Pins 2 & 3 closed |
| | Keyboard power on enabled | JP4 | Pins 1 & 2 closed |
| » | Onboard AGP enabled | JP5 | Pins 1 & 2 closed |
| | Onboard AGP disabled | JP5 | Pins 2 & 3 closed |
| » | Onboard VGA does not occupy IRQ resource | JP6 | Pins 2 & 3 closed |
| | Onboard VGA occupies IRQ resource | JP6 | Pins 1 & 2 closed |

DIMM CONFIGURATION

| Size | Bank 0 | Bank 1 |
|------|-------------|--------|
| 8MB | (1) 1M x 64 | None |
| 16MB | (1) 2M x 64 | None |

| | | |
|-------|--------------|--------------|
| 16MB | (1) 1M x 64 | (1) 1M x 64 |
| 24MB | (1) 2M x 64 | (1) 1M x 64 |
| 32MB | (1) 4M x 64 | None |
| 32MB | (1) 2M x 64 | (1) 2M x 64 |
| 40MB | (1) 4M x 64 | (1) 1M x 64 |
| 48MB | (1) 4M x 64 | (1) 2M x 64 |
| 64MB | (1) 8M x 64 | None |
| 64MB | (1) 4M x 64 | (1) 4M x 64 |
| 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) 16M x 64 | None |
| 128MB | (1) 8M x 64 | (1) 8M x 64 |
| 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) 32M x 64 | None |
| 256MB | (1) 16M x 64 | (1) 16M x 64 |
| 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 |

CPU SPEED SELECTION (INTEL)

| CPU speed | Clock Speed | Multiplier | SW1/1 | SW1/2 | SW1/3 | SW1/4 |
|-----------|-------------|------------|-------|-------|-------|-------|
|-----------|-------------|------------|-------|-------|-------|-------|

| | | | | | | |
|--------|-------|------|-----|----|-----|-----|
| 133MHz | 66MHz | 2x | Off | On | Off | Off |
| 166MHz | 66MHz | 2.5x | Off | On | On | Off |

CPU SPEED SELECTION (INTEL CON'T)

| CPU speed | Clock Speed | Multiplier | SW1/5 | SW1/6 | SW1/7 | SW1/8 |
|-----------|-------------|------------|-------|-------|-------|-------|
| 133MHz | 66MHz | 2x | Off | Off | On | Off |
| 166MHz | 66MHz | 2.5x | Off | Off | On | Off |

CPU SPEED SELECTION (INTEL CON'T)

| CPU speed | Clock Speed | Multiplier | JP8 | JP9 |
|-----------|-------------|------------|-------|-------|
| 133MHz | 66MHz | 2x | 2 & 3 | 2 & 3 |
| 166MHz | 66MHz | 2.5x | 2 & 3 | 2 & 3 |

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)

| CPU speed | Clock Speed | Multiplier | SW1/1 | SW1/2 | SW1/3 | SW1/4 |
|-----------|-------------|------------|-------|-------|-------|-------|
| 166MHz | 66MHz | 2.5x | Off | On | On | Off |
| 200MHz | 66MHz | 3x | Off | Off | On | Off |
| 233MHz | 66MHz | 3.5x | Off | Off | Off | Off |

CPU SPEED SELECTION (INTEL MMX CON'T)

| CPU speed | Clock Speed | Multiplier | SW1/5 | SW1/6 | SW1/7 | SW1/8 |
|-----------|-------------|------------|-------|-------|-------|-------|
| 166MHz | 66MHz | 2.5x | Off | Off | On | Off |
| 200MHz | 66MHz | 3x | Off | Off | On | Off |
| 233MHz | 66MHz | 3.5x | Off | Off | On | Off |

CPU SPEED SELECTION (INTEL MMX CON'T)

| CPU speed | Clock Speed | Multiplier | JP8 | JP9 |
|-----------|-------------|------------|-------|-------------------|
| 166MHz | 66MHz | 2.5x | 2 & 3 | Pins 2 & 3 closed |
| 200MHz | 66MHz | 3x | 2 & 3 | Pins 2 & 3 closed |
| 233MHz | 66MHz | 3.5x | 2 & 3 | Pins 2 & 3 closed |

CPU SPEED SELECTION (AM K6)

| CPU speed | Clock speed | Multiplier | SW1/1 | SW1/2 | SW1/3 | SW1/4 |
|-----------|-------------|------------|-------|-------|-------|-------|
| 166MHz | 66MHz | 2.5x | Off | On | On | Off |
| 200MHz | 66MHz | 3x | Off | Off | On | Off |
| 233MHz* | 66MHz | 3.5x | Off | Off | Off | On |
| 266MHz** | 66MHz | 4x | Off | On | Off | Off |
| 300MHz** | 66MHz | 4.5x | Off | On | On | Off |
| 300MHz** | 100MHz | 3x | Off | Off | On | Off |

*Note: This processor receives a voltage setting of 3.2v.

**Note: These processors receive a voltage setting of 2.2v.

CPU SPEED SELECTION (AM K6 CON'T)

| CPU speed | Clock speed | Multiplier | SW1/5 | SW1/6 | SW1/7 | SW1/8 |
|-----------|-------------|------------|-------|-------|-------|-------|
| 166MHz | 66MHz | 2.5x | Off | On | On | Off |
| 200MHz | 66MHz | 3x | Off | On | On | Off |
| 233MHz* | 66MHz | 3.5x | Off | Off | On | Off |
| 266MHz** | 66MHz | 4x | On | Off | Off | On |
| 300MHz** | 66MHz | 4.5x | On | Off | Off | On |
| 300MHz** | 100MHz | 3x | On | Off | Off | Off |

*Note: This processor receives a voltage setting of 3.2v.

**Note: These processors receive a voltage setting of 2.2v.

CPU SPEED SELECTION (AM K6 CON'T)

| CPU speed | Clock speed | Multiplier | JP8 | JP9 |
|-----------|-------------|------------|-------|-------|
| 166MHz | 66MHz | 2.5x | 2 & 3 | 2 & 3 |
| 200MHz | 66MHz | 3x | 2 & 3 | 2 & 3 |
| 233MHz | 66MHz | 3.5x | 2 & 3 | 2 & 3 |
| 266MHz* | 66MHz | 4x | 2 & 3 | 2 & 3 |
| 300MHz* | 66MHz | 4.5x | 2 & 3 | 2 & 3 |
| 300MHz* | 100MHz | 3x | 1 & 2 | 1 & 2 |

Note: Pins designated should be in the closed position.

*Note: This processor receives a voltage setting of 3.2v.

**Note: These processors receive a voltage setting of 2.2v.

CPU SPEED SELECTION (AM K6-2)

| CPU speed | Clock speed | Multiplier | SW1/1 | SW1/2 | SW1/3 | SW1/4 |
|-----------|-------------|------------|-------|-------|-------|-------|
| 266MHz | 66MHz | 4x | Off | On | Off | Off |
| 300MHz | 100MHz | 3x | Off | Off | On | Off |
| 333MHz | 95MHz | 3.5x | On | Off | Off | Off |
| 350MHz | 100MHz | 3.5x | Off | Off | Off | Off |
| 380MHz | 95MHz | 4x | On | On | Off | Off |
| 400MHz | 100MHz | 4x | Off | On | Off | Off |

CPU SPEED SELECTION (AM K6-2 CON'T)

| CPU speed | Clock speed | Multiplier | SW1/5 | SW1/6 | SW1/7 | SW1/8 |
|-----------|-------------|------------|-------|-------|-------|-------|
| 266MHz | 66MHz | 4x | On | Off | Off | On |
| 300MHz | 100MHz | 3x | On | Off | Off | Off |
| 333MHz | 95MHz | 3.5x | On | Off | Off | Off |
| 350MHz | 100MHz | 3.5x | On | Off | Off | Off |
| 380MHz | 95MHz | 4x | On | Off | Off | On |

| | | | | | | |
|--------|--------|----|----|-----|-----|----|
| 400MHz | 100MHz | 4x | On | Off | Off | On |
|--------|--------|----|----|-----|-----|----|

CPU SPEED SELECTION (AM K6-2 CON'T)

| CPU speed | Clock speed | Multiplier | JP8 | JP9 |
|-----------|-------------|------------|-------|-------|
| 266MHz | 66MHz | 4x | 2 & 3 | 2 & 3 |
| 300MHz | 100MHz | 3x | 1 & 2 | 1 & 2 |
| 333MHz | 95MHz | 3.5x | 1 & 2 | 1 & 2 |
| 350MHz | 100MHz | 3.5x | 1 & 2 | 1 & 2 |
| 380MHz | 95MHz | 4x | 1 & 2 | 1 & 2 |
| 400MHz | 100MHz | 4x | 1 & 2 | 1 & 2 |

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM/CX 6X86MX)

| CPU speed | Clock speed | Multiplier | SW1/1 | SW1/2 | SW1/3 | SW1/4 |
|-----------|-------------|------------|-------|-------|-------|-------|
| 166MHz | 66MHz | 2x | Off | On | Off | Off |
| 200MHz | 66MHz | 2.5x | Off | On | On | Off |
| 200MHz | 75MHz | 2x | On | On | Off | Off |
| 233MHz | 66MHz | 3x | Off | Off | On | Off |
| 233MHz | 75MHz | 2.5x | On | On | On | Off |
| 233MHz | 83MHz | 2x | Off | On | Off | Off |
| 266MHz | 66MHz | 3.5x | Off | Off | Off | Off |
| 266MHz | 75MHz | 3x | On | Off | On | Off |
| 266MHz | 83MHz | 2.5x | Off | On | On | Off |

CPU SPEED SELECTION (IBM/CX 6X86MX CON'T)

| CPU speed | Clock speed | Multiplier | SW1/5 | SW1/6 | SW1/7 | SW1/8 |
|-----------|-------------|------------|-------|-------|-------|-------|
| 166MHz | 66MHz | 2x | Off | On | On | Off |

| | | | | | | |
|--------|-------|------|-----|----|----|-----|
| 200MHz | 66MHz | 2.5x | Off | On | On | Off |
| 200MHz | 75MHz | 2x | Off | On | On | Off |
| 233MHz | 66MHz | 3x | Off | On | On | Off |
| 233MHz | 75MHz | 2.5x | Off | On | On | Off |
| 233MHz | 83MHz | 2x | Off | On | On | Off |
| 266MHz | 66MHz | 3.5x | Off | On | On | Off |
| 266MHz | 75MHz | 3x | Off | On | On | Off |
| 266MHz | 83MHz | 2.5x | Off | On | On | Off |

CPU SPEED SELECTION (IBM/CX 6X86MX CON'T)

| CPU speed | Clock speed | Multiplier | JP8 | JP9 |
|-----------|-------------|------------|-------|-------|
| 166MHz | 66MHz | 2x | 2 & 3 | 2 & 3 |
| 200MHz | 66MHz | 2.5x | 2 & 3 | 2 & 3 |
| 200MHz | 75MHz | 2x | 1 & 2 | 2 & 3 |
| 233MHz | 66MHz | 3x | 2 & 3 | 2 & 3 |
| 233MHz | 75MHz | 2.5x | 1 & 2 | 2 & 3 |
| 233MHz | 83MHz | 2x | 1 & 2 | 2 & 3 |
| 266MHz | 66MHz | 3.5x | 2 & 3 | 2 & 3 |
| 266MHz | 75MHz | 3x | 1 & 2 | 2 & 3 |
| 266MHz | 83MHz | 2.5x | 1 & 2 | 2 & 3 |

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX MII)

| CPU speed | Clock speed | Multiplier | SW1/1 | SW1/2 | SW1/3 | SW1/4 |
|-----------|-------------|------------|-------|-------|-------|-------|
| 300MHz | 66MHz | 3.5x | Off | Off | Off | Off |
| 333MHz | 83MHz | 3x | Off | Off | On | Off |
| 333MHz | 75MHz | 3.5x | On | Off | Off | Off |

CPU SPEED SELECTION (CX MII CON'T)

| CPU speed | Clock speed | Multiplier | SW1/5 | SW1/6 | SW1/7 | SW1/8 |
|-----------|-------------|------------|-------|-------|-------|-------|
| 300MHz | 66MHz | 3.5x | Off | On | On | Off |
| 333MHz | 83MHz | 3x | Off | On | On | Off |
| 333MHz | 75MHz | 3.5x | Off | On | On | Off |

CPU SPEED SELECTION (CX MII CON'T)

| CPU speed | Clock speed | Multiplier | JP8 | JP9 |
|-----------|-------------|------------|-------|-------|
| 300MHz | 66MHz | 3.5x | 2 & 3 | 2 & 3 |
| 333MHz | 83MHz | 3x | 1 & 2 | 2 & 3 |
| 333MHz | 75MHz | 3.5x | 1 & 2 | 2 & 3 |

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IDT)

| CPU speed | Clock speed | Multiplier | SW1/1 | SW1/2 | SW1/3 | SW1/4 |
|-----------|-------------|------------|-------|-------|-------|-------|
| 200MHz | 66MHz | 3x | Off | Off | On | On |
| 225MHz | 75MHz | 3x | On | Off | On | On |
| 266MHz | 66MHz | 4x | Off | On | Off | On |

CPU SPEED SELECTION (IDT CON'T)

| CPU speed | Clock speed | Multiplier | SW1/5 | SW1/6 | SW1/7 | SW1/8 |
|-----------|-------------|------------|-------|-------|-------|-------|
| 200MHz | 66MHz | 3x | On | On | On | Off |
| 225MHz | 75MHz | 3x | On | On | On | Off |
| 266MHz | 66MHz | 4x | On | On | On | On |

CPU SPEED SELECTION (IDT CON'T)

| CPU speed | Clock speed | Multiplier | JP8 | JP9 |
|------------------|--------------------|-------------------|------------|------------|
| 200MHz | 66MHz | 3x | 2 & 3 | 2 & 3 |
| 225MHz | 75MHz | 3x | 1 & 2 | 2 & 3 |
| 266MHz | 66MHz | 3.5x | 2 & 3 | 2 & 3 |

Note: Pins designated should be in the closed position.