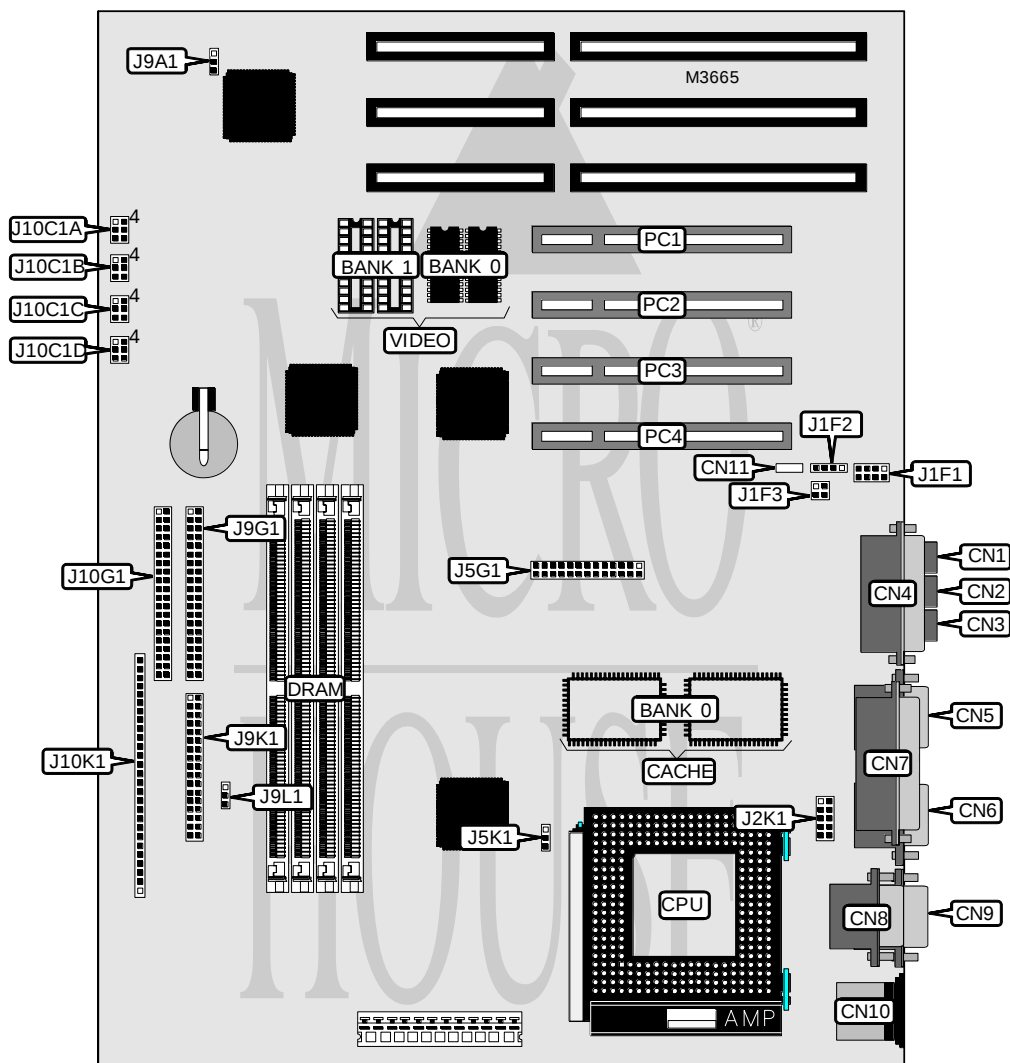


# INTEL CORPORATION

## TC430HX

|                               |                                                                                                                                                                                                                                                                                    |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Processor</b>              | Pentium                                                                                                                                                                                                                                                                            |
| <b>Processor Speed</b>        | 75/90/100/120/133/150/166/180/200MHz                                                                                                                                                                                                                                               |
| <b>Chip Set</b>               | Intel                                                                                                                                                                                                                                                                              |
| <b>Video Chip Set</b>         | S3                                                                                                                                                                                                                                                                                 |
| <b>Maximum Onboard Memory</b> | 128MB (EDO supported)                                                                                                                                                                                                                                                              |
| <b>Maximum Video Memory</b>   | 2MB                                                                                                                                                                                                                                                                                |
| <b>Cache</b>                  | 256KB                                                                                                                                                                                                                                                                              |
| <b>BIOS</b>                   | AMI                                                                                                                                                                                                                                                                                |
| <b>Dimensions</b>             | 330mm x 218mm                                                                                                                                                                                                                                                                      |
| <b>I/O Options</b>            | 32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial port, VESA feature connector, VGA port, IR connector, USB connectors (2), MIDI/game port, line out connector, line in connector, microphone connector |
| <b>NPU Options</b>            | None                                                                                                                                                                                                                                                                               |



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# INTEL CORPORATION

## TC430HX

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| CONNECTIONS          |          |                        |                    |
|----------------------|----------|------------------------|--------------------|
| Purpose              | Location | Purpose                | Location           |
| Microphone connector | CN1      | Serial port 2          | J2K1               |
| Line in connector    | CN2      | VESA feature connector | J5G1               |
| Line out connector   | CN3      | IDE interface 2        | J9G1               |
| MIDI/game port       | CN4      | Chassis fan power      | J9L1               |
| VGA port             | CN5      | Floppy drive interface | J9K1               |
| Serial port 1        | CN6      | IDE interface 1        | J10G1              |
| Parallel port        | CN7      | Power on connector     | J10K1 pins 1 & 2   |
| USB connector        | CN8      | Green PC connector     | J10K1 pins 3 & 4   |
| USB connector        | CN9      | IR connector           | J10K1 pins 6 - 11  |
| PS/2 mouse port      | CN10     | IDE interface LED      | J10K1 pins 13 - 16 |
| Audio connector      | CN11     | Green PC LED           | J10K1 pins 18 - 21 |
| Wave table connector | J1F1     | Reset switch           | J10K1 pins 22 & 23 |
| CD-ROM connector     | J1F2     | Speaker                | J10K1 pins 24 - 27 |
| Modem connector      | J1F3     | 32-bit PCI slots       | PC1 - PC4          |

| USER CONFIGURABLE SETTINGS     |        |                   |
|--------------------------------|--------|-------------------|
| Function                       | Label  | Position          |
| í Flash BIOS normal operation  | J9A1   | Pins 1 & 2 closed |
| Flash BIOS recovery mode       | J9A1   | Pins 2 & 3 closed |
| í Password normal operation    | J10C1A | Pins 1 & 2 closed |
| Password clear                 | J10C1A | Pins 2 & 3 closed |
| í CMOS memory normal operation | J10C1A | Pins 4 & 5 closed |
| CMOS memory clear              | J10C1A | Pins 5 & 6 closed |
| í Setup access enabled         | J10C1B | Pins 1 & 2 closed |
| Setup access disabled          | J10C1B | Pins 2 & 3 closed |

| DRAM CONFIGURATION |             |             |
|--------------------|-------------|-------------|
| Size               | Bank 0      | Bank 1      |
| 8MB                | (2) 1M x 32 | None        |
| 16MB               | (2) 2M x 32 | None        |
| 16MB               | (2) 1M x 32 | (2) 1M x 32 |
| 24MB               | (2) 2M x 32 | (2) 1M x 32 |
| 24MB               | (2) 1M x 32 | (2) 2M x 32 |
| 32MB               | (2) 4M x 32 | None        |
| 32MB               | (2) 2M x 32 | (2) 2M x 32 |
| 40MB               | (2) 4M x 32 | (2) 1M x 32 |
| 40MB               | (2) 1M x 32 | (2) 4M x 32 |
| 48MB               | (2) 4M x 32 | (2) 2M x 32 |
| 48MB               | (2) 2M x 32 | (2) 4M x 32 |
| 64MB               | (2) 8M x 32 | None        |
| 64MB               | (2) 4M x 32 | (2) 4M x 32 |
| 72MB               | (2) 8M x 32 | (2) 1M x 32 |

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# INTEL CORPORATION

## TC430HX

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| DRAM CONFIGURATION (CON'T)                                                                                   |             |             |
|--------------------------------------------------------------------------------------------------------------|-------------|-------------|
| Size                                                                                                         | Bank 0      | Bank 1      |
| 72MB                                                                                                         | (2) 1M x 32 | (2) 8M x 32 |
| 80MB                                                                                                         | (2) 8M x 32 | (2) 2M x 32 |
| 80MB                                                                                                         | (2) 2M x 32 | (2) 8M x 32 |
| 96MB                                                                                                         | (2) 8M x 32 | (2) 4M x 32 |
| 96MB                                                                                                         | (2) 4M x 32 | (2) 8M x 32 |
| 128MB                                                                                                        | (2) 8M x 32 | (2) 8M x 32 |
| Note: Board accepts EDO memory. The location of banks 0 & 1 are unidentified. Board also accepts x 36 SIMMs. |             |             |

| CACHE CONFIGURATION                                                                                                                                                                         |              |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|
| Size                                                                                                                                                                                        | Bank 0       | TAG        |
| 256KB                                                                                                                                                                                       | (2) 32K x 32 | (1) 8K x 8 |
| Note: The location of the TAG chip is unidentified. Some revisions of this board will have a cache slot instead of the 32K x 32 sockets. If so, install a 256KB module in appropriate slot. |              |            |

| VIDEO MEMORY CONFIGURATION                                 |        |               |
|------------------------------------------------------------|--------|---------------|
| Size                                                       | Bank 0 | Bank 1        |
| 1MB                                                        | 1MB    | None          |
| 2MB                                                        | 1MB    | (2) 256K x 16 |
| Note: Bank 0 is factory installed and is not configurable. |        |               |

| CPU SPEED SELECTION                                     |             |            |              |              |
|---------------------------------------------------------|-------------|------------|--------------|--------------|
| CPU speed                                               | Clock speed | Multiplier | J10C1C       | J10C1D       |
| 75MHz                                                   | 50MHz       | 1.5x       | 2 & 3, 5 & 6 | 1 & 2, 4 & 5 |
| 90MHz                                                   | 60MHz       | 1.5x       | 2 & 3, 4 & 5 | 1 & 2, 4 & 5 |
| 100MHz                                                  | 66MHz       | 1.5x       | 1 & 2, 5 & 6 | 1 & 2, 4 & 5 |
| 120MHz                                                  | 60MHz       | 2x         | 2 & 3, 4 & 5 | 2 & 3, 4 & 5 |
| 133MHz                                                  | 66MHz       | 2x         | 1 & 2, 5 & 6 | 2 & 3, 4 & 5 |
| 150MHz                                                  | 60MHz       | 2.5x       | 2 & 3, 4 & 5 | 2 & 3, 5 & 6 |
| 166MHz                                                  | 66MHz       | 2.5x       | 1 & 2, 5 & 6 | 2 & 3, 5 & 6 |
| 180MHz                                                  | 60MHz       | 3x         | 2 & 3, 4 & 5 | 1 & 2, 5 & 6 |
| 200MHz                                                  | 66MHz       | 3x         | 1 & 2, 5 & 6 | 1 & 2, 5 & 6 |
| Note: Pins designated should be in the closed position. |             |            |              |              |

| CPU TYPE SELECTION |                   |
|--------------------|-------------------|
| Type               | J5K1              |
| í VR               | Pins 1 & 2 closed |
| VRE                | Pins 2 & 3 closed |