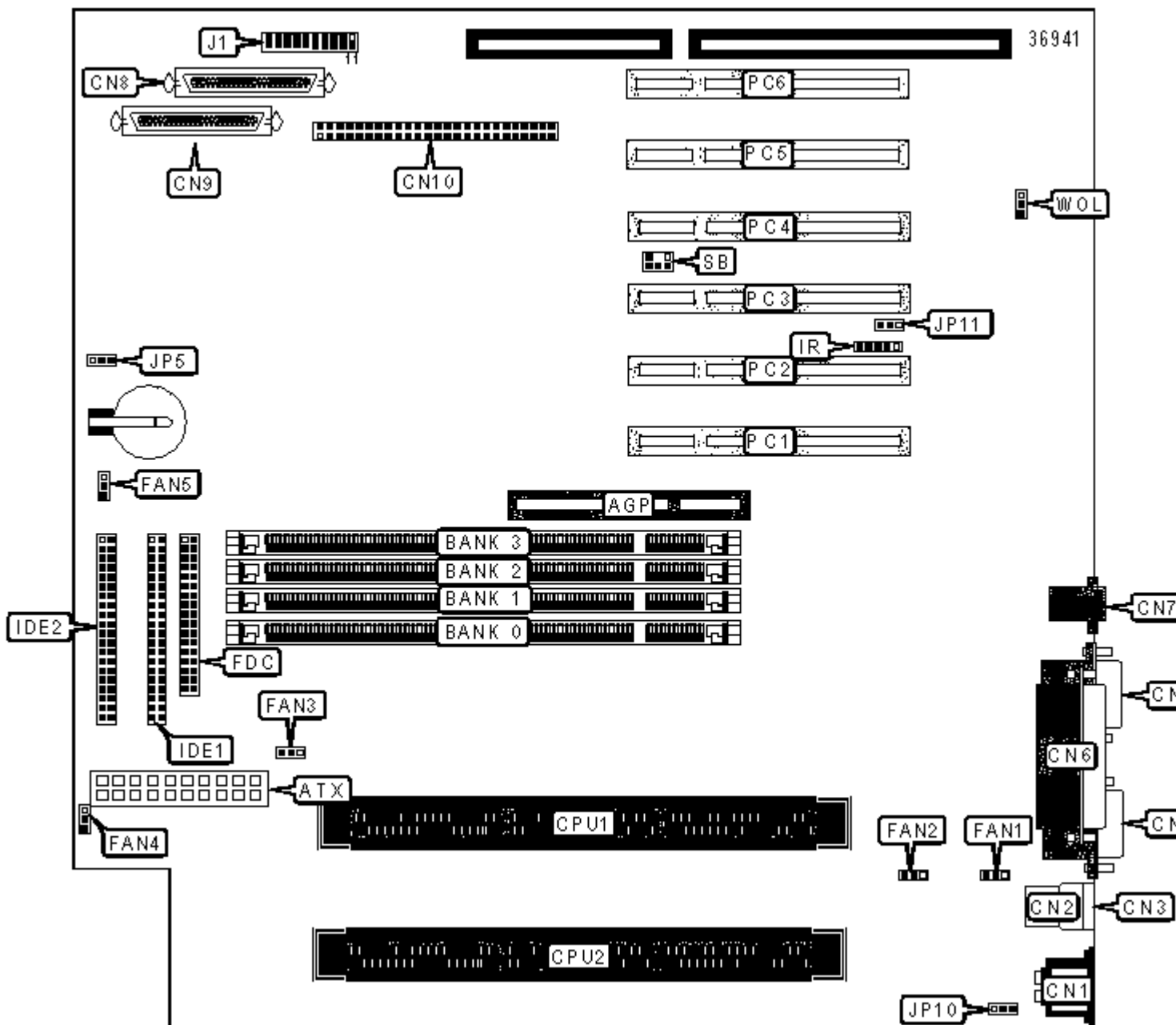


SOYO COMPUTER CO., LTD.

SY-D6IGA

| | |
|-------------------------------|--|
| Device Type | Mainboard |
| Processor | Pentium II Xeon/Pentium III Xeon |
| Processor Speed | 400/450/500/550MHz |
| Chip Set | Intel 440GX |
| Maximum Onboard Memory | 2048MB (SDRAM supported) |
| Cache | 256/512KB (located on the CPU) |
| BIOS | Award |
| Dimensions | 305mm x 280mm |
| I/O Options | 32-bit PCI slots (6), Ethernet 10BaseT connector, floppy drive interface, IDE interfaces (2), SCSI interface, Wide SCSI-2 interface, parallel port, PS/2 mouse port, serial ports (2), IR connector, USB ports (2), ATX power connector, AGP slot, Wake-on-LAN interface |



CONNECTIONS

| Purpose | Location | Purpose | Location |
|-------------------------|----------|--------------------------|-----------------|
| AGP slot | AGP | DRM assembly fan power 1 | FAN3 |
| ATX power connector | ATX | DRM assembly fan power 2 | FAN4 |
| PS/2 mouse port | CN1 | DRM assembly fan power 3 | FAN5 |
| USB port 1 | CN2 | Floppy drive interface | FDC |
| USB port 2 | CN3 | IDE interface 1 | IDE1 |
| Serial port 1 | CN4 | IDE interface 2 | IDE2 |
| Serial port 2 | CN5 | IR connector | IR |
| Parallel port | CN6 | Reset switch | J1/Pins 1 & 2 |
| RJ-45 connector | CN7 | Power switch | J1/Pins 4 & 5 |
| Wide SCSI interface 1 | CN8 | Turbo LED | J1/Pins 7 & 8 |
| Wide SCSI-2 interface 2 | CN9 | IDE interface LED | J1/Pins 9 & 10 |
| SCSI interface | CN10 | Power LED & keylock | J1/Pins 11 - 5 |
| CPU fan power | FAN1 | Speaker | J1/Pins 17 - 20 |
| Chassis fan power | FAN2 | 32-bit PCI slots | PC1 - PC6 |

USER CONFIGURABLE SETTINGS

| Function | | Label | Position |
|----------|---|-------|-------------------|
| » | CMOS memory normal operation | JP5 | Pins 1 & 2 closed |
| | CMOS memory clear | JP5 | Pins 2 & 3 closed |
| | Power-on keyboard enabled | JP10 | Pins 2 & 3 closed |
| | Power-on keyboard disabled | JP10 | Pins 1 & 2 closed |
| | Power button enabled | JP11 | Pins 1 & 2 closed |
| | Power button through BIOS control enabled | JP11 | Pins 2 & 3 closed |

DIMM CONFIGURATION

| Size | Bank 0 | Bank 1 | Bank 2 | Bank 3 |
|------|--------|--------|--------|--------|
|------|--------|--------|--------|--------|

| | | | | |
|-------|--------------|--------------|--------------|-------------|
| 8MB | (1) 1M x 64 | None | None | None |
| 16MB | (1) 1M x 64 | (1) 1M x 64 | None | None |
| 16MB | (1) 2M x 64 | None | None | None |
| 24MB | (1) 1M x 64 | (1) 1M x 64 | (1) 1M x 64 | None |
| 32MB | (1) 1M x 64 | (1) 1M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 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 |
| 80MB | (1) 4M x 64 | (1) 4M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 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 |
| 144MB | (1) 8M x 64 | (1) 8M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 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 |
| 272MB | (1) 16M x 64 | (1) 16M 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 |
| 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 |
| 512MB | (1) 64M x 64 | None | None | None |
| 528MB | (1) 32M x 64 | (1) 32M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 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 |
| 1040MB | (1) 64M x 64 | (1) 64M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 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 6 | (1) 64M x 6 | (1) 64M x 6 | None |
| 1536MB | (1) 64M x 64 | (1) 64M x 64 | (1) 32M x 64 | (1) 32M x 64 |
| 2048MB | (1) 64M x 64 | (1) 64M x 64 | (1) 64M x 64 | (1) 64M x 64 |

Note: Board supports SDRAM memory.

CACHE CONFIGURATION

Note: 512KB cache is located on the Pentium III CPUs. 256KB/512KB cache is located on the Pentium II CPUs.