

M480-30

CHARACTERISTICS

| | |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Microprocessor | Intel 486 |
| Clock | 25 MHz |
| Architecture | MICROCHANNEL |
| Memory | The motherboard supports 8 MB installed on 2 banks. Configurations: 4 MB on system board (4 1 Mbx9 SIMMs) Expandable to 8 MB through KIT EXM 26-807 (4 1 Mbx9 SIMMs) Expandable only with the 4 MB memory expansion board MEM26-804 . This board can be expanded to 8 MB using KIT EXM 26-807 , to 20 MB using 2 EXM 26-809 KITS (2 4 Mbx9 SIMM), or to 32 MB by removing the SIMMs installed on the board and installing 4 EXM 26-809 KITS |
| Memory access | 80 ns |
| Coprocessor | Weitek WTL 4167 |
| Floppy Disk | 1.44 MB 3.5" panasonic J-257 1.44 MB 3.5" Sony MP-F17 1.44 MB Mitsubishi MF355C 1.44 MB 3.5" Y-E Data YD-702B |
| Hard Disk This Personal Computer can mount either MCA intelligent hard disks (with ESDI interface) or SCSI hard disks | ESDI interface MCA hard disks 3.5" 100 MB CONNER CP30109 MCA 3.5" 200 MB CONNER CP3209 MCA 3.5" 60 MB CONNER CP30129 MCA 3.5" 120 MB CONNER CP30129 MCA SCSI hard disks 210 MB CONNER CP3200F/CP30200 210 MB SEAGATE 270 MB QUANTUM 340 MB CONNER CP3300 / CP3360 510 MB CONNER CP3500 / CP3540 525 MB CONNER CP30540 |
| Streaming Tape | 80,120 MB IRWIN 285 |
| Expansion Slots | 5 available: One 16-bit; one 16-bit with video board extension; three 32-bit |
| Video Adapter | 82C452 integrated on motherboard |
| Floppy Disk Controller | WD57C65 integrated on motherboard |
| Hard Disk Controller | MCA version - Intelligent hard disk drives SCSI version - SCSI hard disk controller GO582-GO610 |
| Mouse | PS/2- and AT-compatible GRD 25-025 |
| Keyboard | Compact 101/102-key ANK27-101 ANK27-102 |

MOTHERBOARD

BA880 - P2.1 - Base Assembly
BA865 - P2.1 - 4 MB
BA900 - P2.1 - 8 MB

BA951 - Base Assembly
BA952 - 4 MB
BA953 - 8 MB

BIOS

Rev. 1.06

POWER SUPPLY

HANTAREX

PS14 220 V - Lev. 04 MI
PS14 115 V - Lev. 04 MI

ALITEC

PS14 H 220 V - Lev. 01
PS12 H 115 V - Lev. 01

CONSOLE

IF 638 Lev. 01
IF 469 Lev. 01

HDU INTERFACE

GO582 - SCSI version

GO610 - SCSI version

Intelligent MCA interface buffers

MOTHERBOARD

| | LEVEL | D.R.S. CODE | ROM BIOS | INTEGRATED CONTROLLERS AND MODIFICATIONS | |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| BA880 | Base Assembly - Code BA880 identifies the printed circuit on which the SIMM modules are mounted according to memory size. The pcb with SIMM modules installed takes the name of the different BAs described below. | | | | |
| | BA865 | Nasc. | | PPUS U118 PPUT U119 Rev. 1.02 | Printed circuit (BA880) with 4 MB For a description of the components see the table below |
| | | Lev. 02 | | PPJJ U118 PPJK U119 Rev. 1.04 | Solves the Parallel Port Test Error problem at POD, supports the new video modes and improves performance of interrupt 15H in CBIOS |
| | | Lev. 03 | | Rev. 1.05 | Allows use of Intel 80486 processor step D0 New BIOS to solve problems of: CBIOS POD, Floppy, INT 10 ABIOS Parallel and serial |
| | | Lev. 04 | | Rev. 1.05 | C&T component F82C452A introduced replacing component F82C452. This also involves replacing the 74F244 at location U32 with the 74FCT244CT |
| | | Lev. 05 | | Rev. 1.05 | |
| Lev. 06 | | Rev. 1.06 | New BIOS to solve the problem with the 120 MB hard disk during system configuration | | |
| BA900 | Nasc. | | Rev. 1.05 | Printed circuit (BA880) with 8 MB. This board has the same components as BA865 | |
| | Lev. 01 | | Rev. 1.05 | C&T component F82C452A introduced replacing component F82C452. This also involves replacing the 74F244 at location U32 with the 74FCT244CT | |
| | Lev. 02 | | | | |
| | Lev. 03 | | Rev. 1.06 | New BIOS to solve the problem with the 120 MB hard disk during system configuration | |

| | LEVEL | D.R.S. CODE | ROM BIOS | INTEGRATED CONTROLLERS AND MODIFICATIONS |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BA951 | Base Assembly - Code BA951 identifies the printed circuit on which the SIMM modules are mounted according to memory size. The pcb with the SIMM modules installed takes the name of the different BAs described below. This printed circuit replaces BA880. | | | |
| BA952 | Nasc. | 553013 L | Rev. 1.05 | Printed circuit (BA951) with 4 MB. This board has the same components as the BA865 - replaces BA865. |
| | Lev. 01 MI | | Rev. 1.05 | Component 74F245 at location U50 replaced by component 74LS245 to solve the floppy disk write error problems |
| | Lev. 02 MI | | Rev. 1.05 | <ul style="list-style-type: none"> - Component 16550A at location U47 (NMOS technology) replaced by component 16550C (CMOS technology) - The 10 mF Vcc - GND filter capacitors are replaced by the corresponding ones with T = -20/+80 |
| | Lev. 03 | | Rev. 1.06 | <ul style="list-style-type: none"> - New BIOS to solve the problems with the 120 MB hard disk during system configuration. - To improve functional margins, a capacitor was installed at location C9413 and a resistor at location R148. |
| | Lev. 03 | | Rev. 1.06 | New Samsung KMM59100BN-7 SIMMs (3-chip, 1 MBx9, 80 ns SIMMs) in alternative to the Samsung KMM59100C-8 SIMMs (9-chip, 1 MBx9, 80 ns SIMMs) which are no longer available on the market. The board does not change level. |

| | LEVEL | D.R.S. CODE | ROM BIOS | INTEGRATED CONTROLLERS AND MODIFICATIONS |
|-------|----------------------|-------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BA953 | Nasc. | 553014 M | Rev. 1.05 | Printed circuit (BA951) with 8 MB. This board has the same components as BA 865. Replaces BA900 |
| | Lev. 01 MI | | Rev. 1.05 | Component 74F245 at location U50 replaced by component 74LS245 to solve the floppy disk write error problems |
| | Lev. 02 MI | | Rev. 1.05 | <ul style="list-style-type: none"> - Component 16550A at location U47 (NMOS technology) replaced by component 16550C (CMOS technology) - The 10 mF Vcc - GND filter capacitors are replaced by the corresponding ones with T = -20/+80 |
| | Lev. SINF Suppressed | | Rev. 1.05 | This board will no longer be produced. The different memory expansions, differentiating the BA952 from the BA953, will be implemented at system level so that only the BA952 will continue to exist. |
| | Lev. 02 SI | | Rev. 1.05 | New BIOS to solve the problems with the 120 MB hard disk during system configuration |
| | Lev. 02 SI | | Rev. 1.05 | New Samsung KMM59100BN-7 SIMMs (3-chip, 1 MBx9, 80 ns SIMMs) in alternative to the Samsung KMM591000C-8 SIMMs (9-chip, 1 MBx9, 80 ns SIMMs) which are no longer available on the market. The board does not change level. |

BOARDS

| NAME | DESCRIPTION | D.R.S. CODE | CHARACTERISTICS |
|---------------------------|-------------|-------------|-----------------|
| CPU System board | BA865 | | P2.1 - 4 MB |
| CPU System board | BA900 | | P2.1 - 8 MB |
| CPU System board | BA952 | 553013 L | 4 MB |
| CPU System board | BA953 | 553014 M | 8 MB |
| 220 V power supply | PS 14 | 412909 X | |
| 110 V power supply | PS 14 | 497314 P | |
| Console board | IF638 | 497272 P | |
| Console board | IF469 | 977930 V | |
| Interface board | MI549 | 497272 V | |
| SCSI hard disk controller | GO582 | 553004 U | |
| SCSI hard disk controller | GO610 | 557933 P | Replaces GO582 |

| INTEGRATED CONTROLLERS | INTEGRATED CONTROLLERS |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Memory Controller 82C322 Supports 256 K-1 M of DRAM Shadow RAM Supports up to 16 MB Wait state programming</p> <p>DMA controller 82C223 Performs DMA operations 8 independent DMA channels Performs extended mode operations Memory addressing capacity of 16 MB Performs DMA serial operations Provides virtual DMA on channel 0 and channel 4</p> <p>8042 Keyboard and mouse controller 82C452 Super V.G.A. video controller NS16550A Serial port controller WD57C65 Floppy disk controller</p> | <p>Data Buffer Controller 82C325 Bus Conversion and Bus Swapping functions Parity generation and error checking in the DRAM Contains the MCA architecture POS registers</p> <p>82C226 Non-Volatile RAM Real Time Clock DMA Controller Interrupt Controller</p> <p>82C226 Two 8259 interrupt controllers 8254 compatible timer Watchdog timer Real Time Clock compatible with the MC146818 114 byte CMOS RAM Parallel port controller</p> <p>MCA Controller 82C231 MCA compatibility Memory timing 32-bit - 16-bit bus converter</p> |

USER DISKETTE / SYSTEM TEST / DRIVERS

| LEVEL | COMPATIBILITY |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| User Disk lev. 1.01 User Disk lev. 1.03.1 | User Disk used only for 100 systems. Solves the configuration conflict with the OLICOM board |
| User Disk lev. 1.04 | Replaces the previous version in order to correct the calculation of extended memory when 16 MB are already installed on the system board and an XGA board is installed on the bus. |
| User Disk lev. 2.0 | New User Disk to solve the configuration problems caused by the incorrect management of ADF files when Token Ring and SCSI boards are present. |
| EVC driver for ACAD10 and ACAD11 D.A.M. driver for OS/2 and PageMaker | |
| EVD driver ver. 7.1 rev. 2.0 | Solves the problems relating to the ACAD mode and 72 real mode driver of the previous EVD versions. |

CONSOLE

| | LEVEL | D.R.S. CODE | COMPATIBILITY |
|-------|------------------|-------------|--------------------------------------------------|
| IF638 | Nasc. Lev. 01 | 497314 P | Changes to adequately comply with EMI standards. |
| IF469 | Lev. 01 MI | 977930 V | Console of the M380-40 Personal Computer |

PS14/PS14H POWER SUPPLY UNIT

| POWER SUPPLY | LEVEL | DESCRIPTION |
|-----------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| PS14 ver. 220 V HANTAREX | Nasc. Lev. 01 | Improved ventilation and electric noise immunity. |
| | Lev. 02 | Mylar protection set between inductor L101 and the support for compliance with safety standards. |
| | Lev. 03 | Mylar protection removed. Safety standards respected by using a new type of inductor. |
| | Lev. 04 | Adapted to comply with the new standards for reinforced insulation and reliability improvements. Changes to component TL7705 (IC351). |
| PS14 ver. 115 V HANTAREX | Nasc. Lev. 01 Lev. 02 Lev. 03 Lev. 04 | This version has evolved in exactly the same way as the 220 V version |
| | Nasc. Lev. 01 | New type of power supply unit. |
| | Nasc. Lev. 01 | A capacitor has been replaced to solve the problems with the IR-MA3 board. |
| | Nasc. Lev. 01 | New type of power supply unit. This version has evolved in exactly the same way as the 220 V version |
| PS14 H ver. 220 V ALITEC | Nasc. Lev. 01 | New supplier. |
| | Nasc. Lev. 01 | A capacitor has been replaced to solve the problems with the IR-MA3 board. |
| PS14 H ver. 110 V ALITEC | Nasc. Lev. 01 | New supplier. |
| | Nasc. Lev. 01 | This version has evolved in exactly the same way as the 220 V version. |

MCA INTELLIGENT HARD DISK INTERFACE MI 549

| LEVEL | NOTES |
|--------------|-----------------------------------|
| Lev. Nasc. | Specific for the P750 and M480-30 |

COMPATIBILITY

| BOARD/DEVICE | COMPATIBILITY |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| SCSI hard disk signals cable | Cable has been modified for easier insertion of the SCSI terminator |
| Terminator | The GO610 no longer requires the installation of a terminator on the SCSI cable since it already has incorporated terminators. |

SCSI HARD DISK INTERFACE

| BOARD | D.R.S. CODE | LEVEL | DESCRIPTION |
|--------------|--------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GO582 | 553004 U | Nasc. | SCSI hard disk controller |
| | | Lev. 01 | New board layout |
| GO610 | 557933 P | Nasc. | Replaces GO582 Following are the differences between the two boards: <ul style="list-style-type: none"> - The termination resistances are incorporated on board GO610 so it does not need the installation of external terminators on the cable as board GO582 does. - A different printed circuit board is used. - New BIOS |

GO582 BOARD CONFIGURATION

The GO582 board must be configured with identifier **7** and must have the terminator inserted. The terminator is on the cable.

The first hard disk of the system must be configured with identifier **6** and have the terminators inserted.

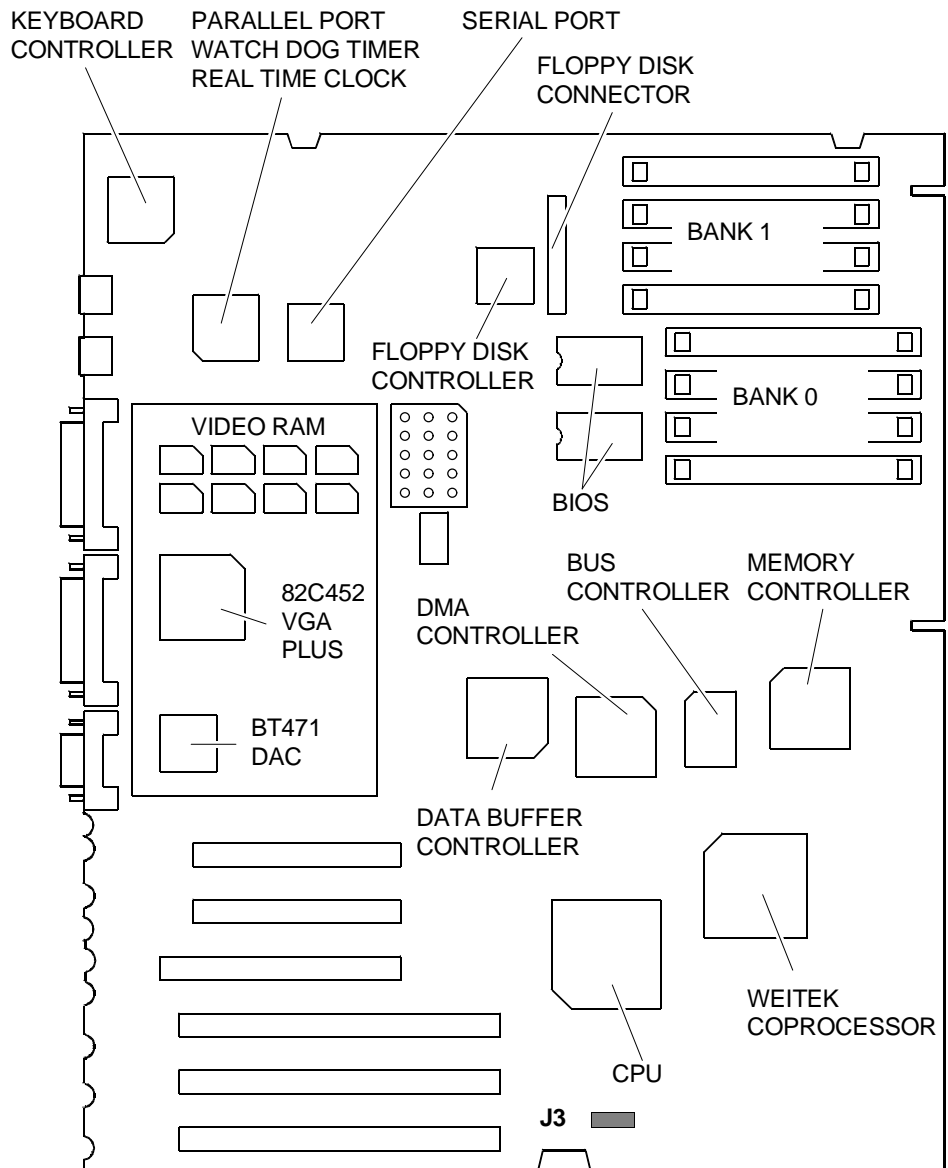
A second hard disk can be configured with any identifier from **0** to **5**.

SCSI IDENTIFIER

USE

| | |
|---|-------------------------------------------------|
| 0 | Available for expansions |
| 1 | Available for expansion - Used by second HDU |
| 2 | Available for expansions |
| 3 | Available for expansions |
| 4 | Available for expansions |
| 5 | Available for expansions |
| 6 | First hard disk installed in system |
| 7 | Identifier of the GO582 controller |

MOTHERBOARD COMPONENTS AND JUMPERS



BUE0A

Jumper J3

- OUT:** Normal position
- IN:** Disables the password
Erases the system configuration restoring the default configuration

SOFTWARE COMPATIBILITY

| OPERATING SYSTEMS | NOTES |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| IBM DISK Operating System, Ver. 4.01 IBM Operating System/2, Ver. 1.10 IBM Operating System/2 Extended Edition, Ver. 1.1 and Ver. 1.10 Olivetti's Microsoft OS/2, Ver. 1.10 | Requires a formatted DSDD diskette during installation on hard disk |

HARDWARE COMPATIBILITY

| MODEM | I/O INTERFACE PRODUCTS |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hayes Smartmodem 1200P Hayes Smartmodem 2400P IBM PS/2 300/1200 Internal Modem/A (6450349) | FUTURE DOMAIN HOST ADAPTER (MCS-350) IBM PS/2 Dual Async Adapter/A (6450347) |
| EXPANSION MEMORIES | MOUSE |
| IBM PS/2 80386 2-6 MB Exp. Memory Option IBM PS/2 80386 2-8 MB Exp. Memory Option Olivetti Memory Expansion board MEM 26-503 Profit System Elite 16/2 | IBM PS/2 Mouse (6450350) Microsoft Serial Mouse MSC PC Mouse PS/2 Olivetti New Advanced Mouse (GRD 25-052) |
| DISPLAY UNITS | UNITS, NETWORKING & LAN PRODUCTS |
| IBM PS/2 Monochrome Display 8503 IBM PS/2 Color Display 8512 IBM PS/2 Color Display 8513 IBM PS/2 Color Display 8514 | IBM PC Network IBM PC Network (Baseband Adapter) IBM Token Ring Network Novell Advanced network ver. 2.12 3COM Network (Ethernet) 10NET Network |
| GRAPHIC PRODUCTS | OTHER PRODUCTS |
| IBM PS/2 Display Adapter 8514/A MATROX PG2 - 1281 HI-RES Graphics Controller | SOFTWARE SECURITY Parallel Port Block |

SYSTEM MEMORY MAP

| ADDRESS | SIZE | FUNCTION | CACHE |
|----------------------|--------|----------------------|-------|
| 00000000 - 0007FFFF | 512 KB | System DRAM | YES |
| 00080000 - 0009FFFF | 128 KB | I/O RAM | YES |
| 000A0000 - 000BFFFF | 128 KB | Video controller RAM | NO |
| 000C0000 - 000DFFFF | 128 KB | I/O ROM | NO |
| 000E0000 - 000FFFFFF | 128 KB | BIOS (SHADOW RAM) | YES |
| 00100000 - 007FFFFFF | | System RAM | YES |
| 00800000 - 00FFFFFF | | System RAM | YES |
| 01000000 - BFFFFFF | | System RAM | YES |
| C0000000 - C1FFFFFF | | Weitek Coprocessor | NO |
| C2000000 - DFFFFFF | | System RAM | YES |
| E0000000 - FFFDFFFF | | System RAM | YES |
| FFFE0000 - FFFFFFF | 128 KB | System ROM BIOS | NO |

DMA CHANNELS

| CHANNEL | FUNCTION | CHANNEL | FUNCTION | CHANNEL | FUNCTION |
|---------|-------------|---------|-----------|---------|-----------|
| 0 | Reserved | 3 | Available | 6 | Available |
| 1 | Available | 4 | Reserved | 7 | Available |
| 2 | Floppy disk | 5 | Available | | |

I/O ADDRESS MAP

| ADDRESS | FUNCTION | ADDRESS | FUNCTION |
|---------|----------------------------------|-----------|-----------------------------------|
| 000-01F | DMA controller (channels 0-3) | 096 - 097 | POS, Connector selection |
| 020-021 | First interrupt controller 8259A | 0A0 - 0A1 | Second 8259A interrupt controller |
| 022 | System Setup Indexing registers | 0C0 - 0DF | DMA controller (4 - 7) |
| 023 | System Setup Data registers | 0E0 | Split address registers |
| 040-047 | System timer | 0E1 | Memory map register |
| 060 | Auxiliary device | 0E2 | Cache control register |
| 061 | System port B controller | 0E3 - 0E7 | Channel restore registers |
| 064 | Auxiliary device | 0F0 - 0FF | Coprocessor |
| 070-071 | RT/CMOS and NMI mask | 100 - 107 | Programmable option selection |
| 074-076 | 8 KB CMOS RAM extension | 1F0 - 1F8 | Hard disk adapter |
| | Configuration registers | 278 - 27B | Parallel port 3 |
| | 68B50 Registers | 2F8 - 2FF | Serial port 2 (RS-232-C) |
| 081-087 | DMA page registers 0 - 3 | 378 - 37B | Parallel port 2 |
| 089-08F | DMA page registers 4 - 7 | 3BC - 3BF | Parallel port 1 |
| 090 | Central arbitration control port | 3B4 - 3C5 | Video subsystem |
| 091 | Selected board response | 3CE - 3DA | Video subsystem |
| 092 | System port A controller | 3C6 - 3C9 | DAC video, Bt471 |
| 092 | Reserved | 3F0 - 3F7 | Floppy disk controller |
| 094 | Board enable | 3F8 - 3FF | Serial port 1 (RS-232-C) |

INTERRUPT LEVELS

| LEVEL | FUNCTION | LEVEL | FUNCTION |
|-------|------------------------|-------|---------------------------------|
| IRQ0 | Output timer channel 0 | IRQ8 | Real Time Clock |
| IRQ1 | Keyboard interface | IRQ9 | Redirected via software to IRQ2 |
| IRQ2 | PIC2 interrupt | IRQ10 | Available |
| IRQ3 | Optional serial port | IRQ11 | Available |
| IRQ4 | Primary serial port | IRQ12 | Mouse |
| IRQ5 | Available | IRQ13 | Coprocessor |
| IRQ6 | Floppy disk controller | IRQ14 | Hard disk controller |
| IRQ7 | Parallel port | IRQ15 | Available |

COMPATIBLE HARD DISKS

| TYPE | MODEL | CAPACITY | CYL | T | WPC | LZ | SET |
|---------|-----------------------------|----------|------|----|-----|------|-----|
| 1 | N.C. | 10 MB | 306 | 4 | 128 | 305 | 17 |
| 2 | Seagate ST225 half size | 20 MB | 615 | 4 | 256 | 700 | 17 |
| 3 | WREN 2 full size | 38 MB | 925 | 5 | 128 | 924 | 17 |
| 4 | CDC WREN 1 | 28 MB | 697 | 5 | 128 | 696 | 17 |
| 5 | ST4096 | 76 MB | 1024 | 9 | -1 | 1023 | 17 |
| 6 | OPE XM5340 | 40 MB | 820 | 6 | 256 | 819 | 17 |
| 7 | NEC D5146H | 40 MB | 615 | 8 | 128 | 664 | 17 |
| 8 | TM755 slim size | 40 MB | 981 | 5 | -1 | 980 | 17 |
| 9 | CDC WREN II slim size | 40 MB | 981 | 5 | 128 | 980 | 17 |
| 10 | Micropolis 1324 full size | 51 MB | 1024 | 6 | 128 | 980 | 17 |
| 11 | CDC WREN II full size | 53 MB | 925 | 7 | 128 | 924 | 17 |
| 12 | Micropolis 1325 full size | 68 MB | 1024 | 8 | -1 | 1023 | 17 |
| 13 | CDC WREN II full size | 69 MB | 925 | 9 | 128 | 924 | 17 |
| 14 | Micropolis 1323-A full size | 42 MB | 1024 | 5 | -1 | 1023 | 17 |
| 15 | RESERVED | | | | | | |
| 16 | OPE XM5220 85 ms | 20 MB | 612 | 4 | 128 | 656 | 17 |
| 17 | TANDON TM 362 85 ms | 20 MB | 612 | 4 | -1 | 663 | 17 |
| 18 | Seagate ST251 40 ms | 40 MB | 820 | 6 | -1 | 819 | 17 |
| 19 | Rodime RO3055 40 ms | 43 MB | 872 | 6 | 0 | 871 | 17 |
| 20 | Miniscribe M8425 68 ms | 20 MB | 612 | 4 | 0 | 663 | 17 |
| 21 | Seagate ST277TR | 62 MB | 820 | 6 | -1 | 819 | 26 |
| 22 | OPE XM5340/60 | 62 MB | 820 | 6 | 128 | 819 | 26 |
| 23 | NEC D5147H | 62 MB | 615 | 8 | 384 | 664 | 26 |
| 24 | NEC D5652 | 136 MB | 820 | 10 | -1 | 822 | 34 |
| 25 | Micropolis 1355 ESDI | 135 MB | 1021 | 8 | -1 | 1023 | 34 |
| 26 | Micropolis 1353 ESDI | 67 MB | 1021 | 4 | -1 | 1023 | 34 |
| 27 | NEC D5452 | 68 MB | 823 | 10 | 512 | 822 | 17 |
| 28 | Fujitsu M2227D | 40 MB | 615 | 8 | 512 | 614 | 17 |
| 29 | Fujitsu M2227D RLL | 60 MB | 615 | 8 | 512 | 614 | 26 |
| 30 | CDC 94205-77 | 62 MB | 981 | 5 | -1 | 980 | 26 |
| 31 | Formatted, ESDI full size | 304 MB | 814 | 15 | -1 | 1 | - |
| 32 | Formatted, ESDI half size | 81 MB | 977 | 5 | -1 | 1 | - |
| 33 | N.A. | 136 MB | 820 | 10 | -1 | 1 | - |
| 34 | CDC 94196-766 | 600 MB | 1623 | 15 | -1 | 1 | - |
| 35 - 45 | RESERVED | | | | | | |
| 46 - 47 | SCSI drivers #1 and #2 | | | | | | |

Where: CYL: No. of disk cylinders

T: No. of disk heads

WPC: Precompensation cylinder number

LZ: Head parking cylinder number

SET: No. of disk sectors.

