AD586 AT-size Socket 7 MotherBoard

Chip Set: NEC Power TX + Sound (option)
FormFactor: Baby AT size (220mm x 170mm)
CPU:
Intel Pentium P54C & P55C
Cyrix 6x86/6x86L/6x86MX/MII
AMD K5/K6/K-2
IBM 6x86/6x86L/6x86MX
IDT WinChip 166/180/200/233
CPU Speed: 166 - 350MHz or above
BIOS Size: 1M OTP or Flash EEPROM
Exp. Slots: 2 ISA + 3 PCI
DRAM Slot: 1 DIMM + 2 SIMM
DRAM Size: Up to 64M
I/O:
2 x IDE
1 x Floppy
2 x COM port
1 x PS/2 Mouse Header
1 x Parallel port

JP7 - SINGLE/DUAL CPU VOLTAGE

000 (all open) - SINGLE CPU VOLTAGE
SSS (all short) - DUAL CPU VOLTAGE

JP6 - CPU VOLTAGE

S000000 - 2.1V
0S00000 - 2.2V
00S0000 - 2.8V
000S000 - 2.9V
0000S00 - 3.2V
00000S0 - 3.3V
000000S - 3.5V

JP5 - CPU MULTIPLIER

0	0	0	0	S	S	S	S
0 1,5X (3,5X)	0 2X	S 2,5X	S 3X	0 4X	S 4,5X	S 5X	0 5.5X (?)
0	S	S	0	S	S	0	0

JP4 - CPU CLOCK

SSS - 60MHZ
0SS - 66 MHZ
S00 - 75MHZ
0S0 - 83MHZ
00S - 90MHZ
000 - 100MHZ

JP11 - ?

JP13 - CLEAR CMOS

S0 - NORMAL
0S - CLEAR CMOS

J9 - FRONT PANEL

KEYLOCK		TB-LED	HD-LED	RESET
SPEAKER	EMPTY			

PS/2 MOUSE HEADER

PIN1	5V
PIN2	NO CONNECTION
PIN3	MOUSE DATA
PIN4	GROUND
PIN5	MOUSE CLOCK

INSTALL DOS POWERIDE! DRIVER

1. Locate and run the SETUP.EXE file from the root directory of driver package.
2. Follow the on-screen instructions to install the driver.

INSTALL WINDOWS 9X POWERIDE! DRIVER

1. Right-click the relevant device in Device Manager and select Properties.
2. Click the Driver tab and select Update driver.
3. Select Specify a location: and browse to the folder containing the new driver files.
4. Click Next to install the driver and complete the process.

Performance comparison: IDE interface with STANDART BIOS and IDE drivers vs. POWERIDE! drivers

HDDSPEED for DOS	BIOS	POWERIDE!
Average Seek Time:	9.0 ms	5.6 ms
Maximal Seek Time:	13.9 ms	8.1 ms
Track-To-Track Seek Time:	1.8 ms	1.4 ms
Average Access Time	15.9 ms	13.5 ms

Max. Linear Read Speed:	3.5 MB/sec	5.9 MB/sec
Max. Linear Write Speed:	3.1 MB/sec	7.0 MB/sec
Max. Cache Read Speed:	17.0 MB/sec	7.5 MB/sec

Disk Speed Index:	227	444

ATTO Disk Benchmart Win98	BIOS	POWERIDE!
Direct I/O Write:	3014 MB/sec	5285 MB/sec
Direct I/O Read:	2559 MB/sec	4042 MB/sec
Driver I/O Write:	3015 MB/sec	6450 MB/sec
Driver IO Read:	4890 MB/sec	5479 MB/sec