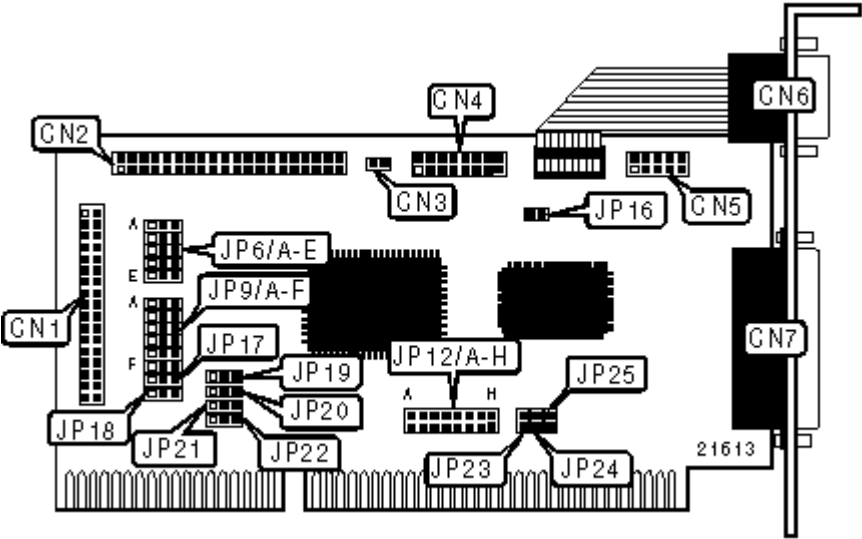# PINE TECHNOLOGY

AI-1078E

Card Type   Controller card
Hard Drives supported   Two IDE (AT) drives
Floppy drives supported   Two 360KB, 720KB, 1.2MB, or 1.44MB drives
I/O Options   Floppy drive interface, game port, IDE interface, parallel port, serial ports (2)
Data Bus   16-bit ISA
Card Size   Half-length, half-height card

CONNECTIONS			
Function	**Label**	**Function**	**Label**
34-pin cable connector - floppy drive	CN1	10-pin serial port 2 - internal	CN5
40-pin IDE(AT) connector	CN2	9-pin serial port 1 - external	CN6
2-pin connector - IDE drive active LED	CN3	25-pin parallel port - external	CN7
16-pin game port - internal	CN4		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
» Floppy drive order is normal (A:, B:)	JP6/A	Pins 1 & 2 closed
Floppy drive order is reversed (B:, A:)	JP6/A	Pins 2 & 3 closed
» Floppy drive address is 3F0h	JP6/B	Pins 2 & 3 closed
Floppy drive address is 370h	JP6/B	Pins 1 & 2 closed
» IDE(AT) interface enabled	JP6/C	Pins 1 & 2 closed
IDE(AT) interface disabled	JP6/C	Pins 2 & 3 closed

»	IDE(AT) address is 3F0h, 1F0h	JP6/D	Pins 2 & 3 closed
	IDE(AT) address is 370h, 170h	JP6/D	Pins 1 & 2 closed
»	Floppy drive interface enabled	JP6/E	Pins 1 & 2 closed
	Floppy drive interface disabled	JP6/E	Pins 2 & 3 closed
»	Game port enabled	JP16	Closed
	Game port disabled	JP16	Open
»	IDE interface interrupt set to IRQ14	JP19	Pins 1 & 2 closed
	IDE interface interrupt set to IRQ15	JP19	Pins 2 & 3 closed
»	DRQ1 enabled	JP20	Pins 1 & 2 closed
	DRQ3 enabled	JP20	Pins 2 & 3 closed
»	Factory configured - do not alter	JP21	Unidentified
»	Factory configured - do not alter	JP22	Unidentified

SERIAL PORT 1 ADDRESS SELECTION

	Setting	JP9/A	JP9/B
»	COM1 (3F8h)	Pins 1 & 2 closed	Pins 2 & 3 closed
	COM3 (3E8h)	Pins 2 & 3 closed	Pins 1 & 2 closed
	Disabled	Pins 2 & 3 closed	Pins 2 & 3 closed

SERIAL PORT 2 ADDRESS SELECTION

	Setting	JP9/C	JP9/D
»	COM2 (2F8h)	Pins 1 & 2 closed	Pins 2 & 3 closed
	COM4 (2E8h)	Pins 2 & 3 closed	Pins 1 & 2 closed
	Disabled	Pins 2 & 3 closed	Pins 2 & 3 closed

SERIAL PORT 1 INTERRUPT SELECTION

IRQ	JP12/A	JP12/B	JP12/C
3	Closed	Open	Open

»	4	Open	Closed	Open
	5	Open	Open	Closed

SERIAL PORT 2 INTERRUPT SELECTION			
IRQ	JP12/D	JP12/E	JP12/F
» 3	Closed	Open	Open
4	Open	Closed	Open
5	Open	Open	Closed

PARALLEL PORT ADDRESS SELECTION		
Setting	JP9/E	JP9/F
» LPT1 (378h)	Pins 2 & 3 closed	Pins 1 & 2 closed
LPT2 (278h)	Pins 1 & 2 closed	Pins 2 & 3 closed
LPT3 (3BCh)	Pins 1 & 2 closed	Pins 1 & 2 closed
Disabled	Pins 2 & 3 closed	Pins 2 & 3 closed

PARALLEL PORT INTERRUPT SELECTION		
IRQ	JP12/G	JP12/H
5	Closed	Open
» 7	Open	Closed

PARALLEL PORT MODE SELECTION		
Setting	JP17	JP18
» Printer	Pins 2 & 3 closed	Pins 1 & 2 closed
EPP/ECP	Pins 1 & 2 closed	Pins 1 & 2 closed
EPP/SPP	Pins 1 & 2 closed	Pins 2 & 3 closed
EXT2FDD	Pins 2 & 3 closed	Pins 2 & 3 closed

PRINTER OUTPUT & DACK SELECTION			
Setting	JP23	JP24	JP25

»	Uni-directional	Closed	Open	Open
	Bi-Directional (EPP/ECP)	Open	Open	Open
	DACK1	Open	Closed	Open
	DACK3	Open	Open	Closed

	Uni-directional	Closed	Open	Open
	Bi-Directional (EPP/ECP)	Open	Open	Open
	DACK1	Open	Closed	Open
	DACK3	Open	Open	Closed