

KOUWELL ELECTRONIC CORPORATION

KW558A

Card Type

Hard Drives supported

Floppy drives supported

Data Bus

Card Size

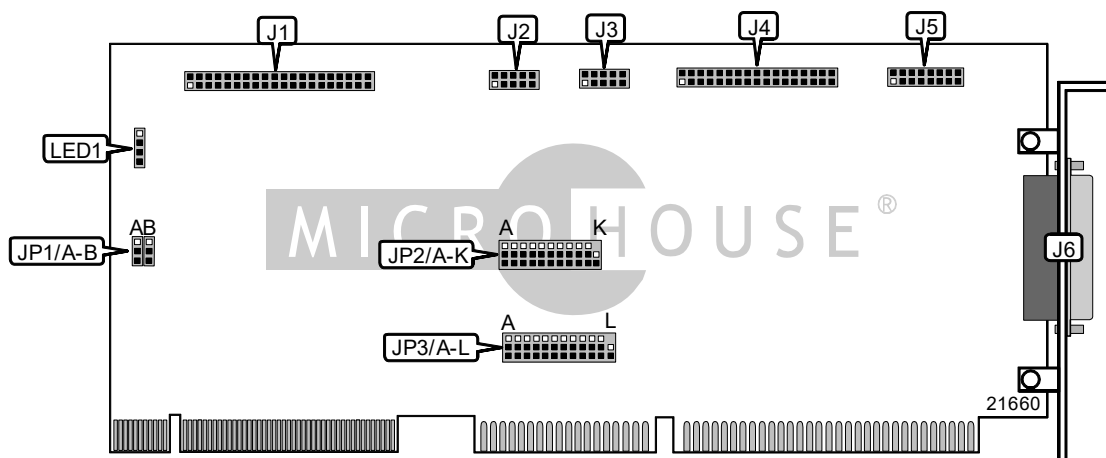
Hard drive controller card

Two IDE (AT) drives

Two 360KB, 720KB, 1.2MB, or 1.44MB drives

32-bit VESA Local Bus

Three-quarter length, full-height card



CONNECTIONS			
Function	Location	Function	Location
40-pin primary IDE(AT) connector	J1	16-pin game port	J5
10-pin serial port 2 - internal	J2	25-pin parallel port - external	J6
10-pin serial port 2 - internal	J3	4-pin connector - drive active LED	LED1
34-pin cable connector - floppy drive	J4		

USER CONFIGURABLE SETTINGS			
Function	Label	Position	
í Floppy drive interface enabled	JP2/G	Pins 1 & 2 closed	
Floppy drive interface disabled	JP2/G	Pins 2 & 3 closed	
í Floppy drive primary address is 3F0-3F7h	JP2/I	Pins 2 & 3 closed	
Floppy drive secondary address is 370-377h	JP2/I	Pins 1 & 2 closed	
í Game port enabled	JP2/K	Closed	
Game port disabled	JP2/K	Open	

IDE DRIVE SPEED SELECTION		
Speed	JP1/A	JP1/B
0	Pins 1 & 2 closed	Pins 1 & 2 closed
2	Pins 2 & 3 closed	Pins 1 & 2 closed
4	Pins 1 & 2 closed	Pins 2 & 3 closed
6	Pins 2 & 3 closed	Pins 2 & 3 closed

DMA CHANNEL SELECTION		
Channel	JP3/J	JP3/K
1	Pins 2 & 3 closed	Pins 1 & 2 closed
3	Pins 1 & 2 closed	Pins 2 & 3 closed

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PARALLEL PORT ADDRESS SELECTION		
Setting	JP2/A	JP2/B
LPT1 (378h)	Pins 1 & 2 closed	Pins 2 & 3 closed
LPT2 (278h)	Pins 1 & 2 closed	Pins 1 & 2 closed
LPT3 (3BCh)	Pins 2 & 3 closed	Pins 1 & 2 closed
Disabled	Pins 2 & 3 closed	Pins 2 & 3 closed

SERIAL PORT 1 ADDRESS SELECTION		
Setting	JP2/E	JP2/F
COM1 (3F8h)	Pins 1 & 2 closed	Pins 1 & 2 closed
COM2 (2F8h)	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	JP2/C	JP2/D
COM1 (3F8h)	Pins 1 & 2 closed	Pins 2 & 3 closed
COM2 (2F8h)	Pins 1 & 2 closed	Pins 1 & 2 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	JP3/A	JP3/B	JP3/C	JP3/D	JP3/E	JP3/F	JP3/G	JP3/H
IRQ3	Open	Open	Open	Open	Open	Open	Open	1 & 2
IRQ4	Open	Open	Open	Open	Open	Open	1 & 2	Open
IRQ5	Open	Open	Open	Open	Open	1 & 2	Open	Open
IRQ9	Open	Open	Open	Open	1 & 2	Open	Open	Open
IRQ10	Open	Open	Open	1 & 2	Open	Open	Open	Open
IRQ11	Open	Open	1 & 2	Open	Open	Open	Open	Open
IRQ12	Open	1 & 2	Open	Open	Open	Open	Open	Open
IRQ15	1 & 2	Open	Open	Open	Open	Open	Open	Open
Note: Pins designated should be in the closed position.								

SERIAL PORT 2 INTERRUPT SELECTION								
IRQ	JP3/A	JP3/B	JP3/C	JP3/D	JP3/E	JP3/F	JP3/G	JP3/H
IRQ3	Open	Open	Open	Open	Open	Open	Open	2 & 3
IRQ4	Open	Open	Open	Open	Open	Open	2 & 3	Open
IRQ5	Open	Open	Open	Open	Open	2 & 3	Open	Open
IRQ9	Open	Open	Open	Open	2 & 3	Open	Open	Open
IRQ10	Open	Open	Open	2 & 3	Open	Open	Open	Open
IRQ11	Open	Open	2 & 3	Open	Open	Open	Open	Open
IRQ12	Open	2 & 3	Open	Open	Open	Open	Open	Open
IRQ15	2 & 3	Open	Open	Open	Open	Open	Open	Open
Note: Pins designated should be in the closed position.								

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PARALLEL PORT INTERRUPT SELECTION	
IRQ	JP3/I
IRQ7	Pins 2 & 3 closed
IRQ5	Pins 1 & 2 closed

PARALLEL PORT MODE SELECTION		
Setting	JP2/H	JP2/J
Uni-directional	Pins 2 & 3 closed	Pins 1 & 2 closed
EPP	Pins 2 & 3 closed	Pins 1 & 2 closed
ECP	Pins 1 & 2 closed	Pins 1 & 2 closed
EPP+ECP	Pins 2 & 3 closed	Pins 2 & 3 closed