Apple][Computer Information

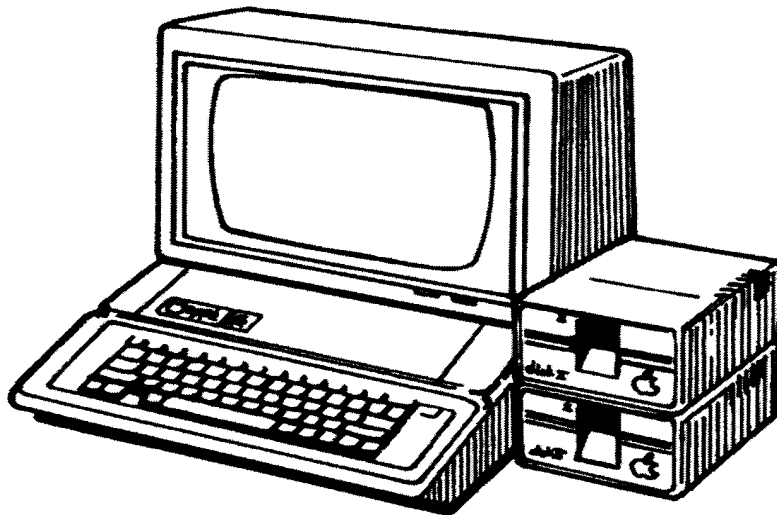# IWM Floppy Disk I/O Controller Info

Apple //c Computer
External Floppy Disk Port Interface

Apple Computer, Inc. -- ca. 1984

SOURCE
Brutal Deluxe Software web site -- www.brutal-deluxe.fr
31 December 2008

Apple //c External Disk:

The disk port is a DB-19 connector with all the signals that are available on drive two of an Apple //e disk controller card. This disk will accessed as slot 6 drive 2.

Pinout //c DB-19	SIGNAL NAME	Pinout Apple //e (controller card) 20 pin header	
1	GND	1	
2	GND	3	
3	GND	5	
4	GND	7	
5	-12V	9	
6	+5V	11	
7	+12V	13	
8	+12V	15	
9	EXTINT*		
10	WRPROT	20	
11	PHASE0	2	
12	PHASE1	4	
13	PHASE2	6	
14	PHASE3	8	
15	WRREQ	10	
16	nc		
17	ENBL2	14	
18	RDDATA	16	
19	WRDATA	18	
	nc	17	(+12V)
	nc	19	(+12V)
	nc	12	(+5V)

The //c disk cannot be used from an Apple //e disk controller card with a simple ribbon cable (20-pin insulation displacement (i.d.) header to i.d. DB-19), since pins 9 and 16 of the DB-19 should not be connected and pin 19 should connect to pin 20 of the card.

The Apple //e drive can not be used on a //c unless the DB-19 pin 10 is connected to pin 20 of the disk and DB-19 pin 9 is not connected (disk pin 19 should also be left unconnected).

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