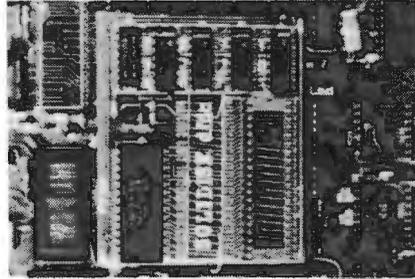


SOLIDISK (0702) 354674

WD-1770+8271 DISC INTERFACE FOR BEEB ALREADY FITTED WITH THE 8271 DFS



From £45.00 inc.

The new Acorn Disc Filing Systems DFS and ADFS require both the WD-1770 (or WD-1772) chip. Among many leading suppliers, Solidisk has the enviable position of supplying models which are totally compatible with the new Acorn ROMs (and of course our own DFS 2.2 and ADFS 2.1 ROMs which have a more comprehensive set of commands).

Furthermore, Solidisk is the only company outside Acorn to deliver the ADFS, that vital link between all Acorn computers: from BBC, MASTER, COMPACT, ELECTRON right through the new ARCHIMEDES and the 80186 co-processor.

This model of WD-1770, the Solidisk WD-1770+8271 Disc Interface (DFDC, Dual Floppy Disc Controller) is for Beebes already fitted with an 8271 DFS.

It comes as a PCB measuring 65mm x 80mm (2.6" x 3.2").

This system allows you to keep the 8271 while adding the WD-1770, an ideal solution when you want to upgrade to ADFS and to be certain that all your existing software will run without problem. We do realize that the majority of 8271 users still have an old DFS ROM (eg Acorn 0.90, WE 1.3x, CUC DOS) which, unlike the new Acorn ROMs, cannot be used alongside another WD-1770 DFS or ADFS. The old ROMs do not switch themselves off when the 8271 is inactive, the new ROMs do. We have the right DFS ROM for our DFDC, our DFS 2.2 ROM will switch itself between the 8271 and the WD-1770. We will sell it to you at cost, if required (for only £5 to cover ROM and manual). The alternative solution is to use both Acorn DNFS 1.20 (for the 8271) and the Acorn 1770-DNFS.

The ADFS works only with the WD-1770, not the 8271 as it uses double density recording. Both Solidisk ADFS 2.1 and Acorn ADFS 1.3 are suitable.

Fitting:

The DFDC can be fitted by expert or novice alike, in around 30 minutes. No soldering is required.

Essentially, push the DFDC into socket No 78, push the green wire into IC socket 86 (pin 1 hole) and re-install the 8271 into the empty socket on the DFDC.

Performance:

The DFDC can switch between the 8271 and the WD-1770 with an ordinary, physical switch. If the switch is closed, your 8271 is turned on and the WD-1770 off. The 8271 will then work exactly as before. Open the switch, the WD-1770 is turned on and the 8271 off. It will just act as an Acorn 1770 upgrade or Solidisk WD-1770 DDFS.

You MUST check that your DFS ROM has the same capacity as all Acorn new ROMs, it must turn itself off if the hardware it controls is absent.

At the time of writing, none except Solidisk ROMs has this capacity. Mainly: Acorn 1.90, CUC DOS, WE DFS 1.3x etc. will work with the DFDC when they are alone but NOT when they are used along with another DFS or ADFS ROM.

When you buy a WD-1770 DFS ROM, check that it must be compatible with Acorn WD-1770 upgrade. Mainly: WE 1770 DDFS,

Opus 1770 DDOS are excluded because of different device select address. The ACP 1770 will work on its own, but not along another DFS ROM!

Choose the Acorn DNFS 1.2 for the 8271 and Acorn 1770 DNFS for the WD-1770 or the Solidisk DFS 2.2 for both. Acorn ADFS and Solidisk ADFS 2.1 work in WD-1770 mode. The table below summarizes only the features of the WD-1770 mode, the performance of the 8271 remains unchanged.

WD-1770 Features	Acorn 1770-DNFS	Acorn 1770-ADFS	Solidisk DFS 2.2	Solidisk ADFS 2.1
in DFS:				
Single density (100K/40 tracks)	Yes	N/A	Yes	Yes
Double density (160K/40 tracks)	No	N/A	Yes	Yes
Number of files per disc surface	31	N/A	unlimited	unlimited
Maximum file size	256K	N/A	disc size	disc size
in ADFS (ADFS uses only double density recording):				
Number of files per disc	N/A	unlimited (1)	N/A	unlimited
Maximum file size	N/A	disc size	N/A	unlimited
Archimedes compatible		Yes	N/A	Yes
D/S 80-track discs				
PC-500 compatible (Acorn 80186 for Beeb)	(2)	Yes	(2)	Yes

Notes:

- (1) The Solidisk DFS has an unlimited number of entries into the catalogue, until the Disc is full.
- (2) The PC-500 is Acorn 80186, 512K, IBM compatible co-processor, with a lead adapted by Solidisk to be used on the Beeb TUBE. The PC-Plus is the same but with upgraded RAM to one Megabyte.
- (3) The WD-1770 is interchangeable with the WD-1772. The latter has a faster stepping rate (3ms-12ms).
- (4) ADFS 80 track, 3.5 inch discs will run on the Archimedes. We can adapt your 5 1/4 inch drives (£15 for the first, £3 for the second plus p&p) for use with either the Archimedes, Beeb or Master.

Prices:

DFDC without DFS ROM	£45.00 inc.
DFDC with Solidisk DFS 2.2 ROM	£50.00 inc.
DFDC with Solidisk ADFS 2.1 ROM set	£55.00 inc.
DFDC with 2.2 and 2.1 ROM set (3 ROMs)	£63.00 inc.

All three listed kits can be fitted by Solidisk Local Experts if required. Technical support and enquiries: ring Southend (0702) 431122.

Availability:

Mail Order and From Selected Dealers.

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