

Hardware & Software Product Guide Supplement



Econet Products

As authors of Acorn's new level 4 Econet file server, Oak Solutions has unrivalled expertise and experience in the field of Econet. Our range of Econet software products is designed

to help you to get the most out of your network, and to provide facilities to help you to maximise the use of expensive peripherals such as printers and hard discs.

Disc Sharer

Disc Sharer is a multi-tasking Risc OS utility which allows users of BBC micros and Archimedes to access transparently the hard disc of another Archimedes across Econet. As Disc Sharer is a Risc OS task, the user of the Archimedes can also be running other applications at the same time.

The computers sharing the hard disc need no special hardware or software other than the standard Econet interface and the network filing system. To share the hard disc, these users log on to the Archimedes as if they were logging on to a file server. The only difference is that every user has the same user ID and can only see one directory of the hard disc. This means that they cannot gain access to other parts of the disc thereby preventing accidental or malicious damage.

One use for Disc Sharer is in the classroom where a group of students are working together to produce a newspaper. The DTP program could be running on an Archimedes with a hard disc, whilst other people are using BBC micros and Archimedes to generate text and graphics to go into the paper. When complete, these files can be saved directly onto the hard disc of the DTP machine.

Disc Sharer makes more efficient use of the Econet system by transferring the data only once across the network, from one machine directly to another. As Disc Sharer provides file sharing capabilities, it is not necessary to have a full file server on the network. This means that small networks can be set up for specific purposes where Disc Sharer provides sufficient functionality.

Printer Spooler

Normally, Econet printer servers can only accept files to print from one station at a time. This causes real problems if many people need to print their files simultaneously, for example, at the end of a lesson.

The Printer Spooler is a multi-tasking Risc OS utility which solves this problem. It accepts files from up to 24 stations at the same time and queues them until the printer becomes free. This gives the advantage that the sender stations are then free to get on with other things whilst the Printer Spooler takes care of the printing.

The Printer Spooler can be used in any environment where there are many machines but few printers. Either a machine can be dedicated as a Printer Spooler, or it can be turned into a Printer Spooler for a short period of time. The Printer Spooler multi-tasks with other desktop applications, and so can be run on a machine which is being used for another task, for example the Disc Sharer.

Remote Logon

Remote Logon is an application for users who need to access their Archimedes floppy or hard disc from another machine on Econet whilst retaining full ownership of all the files and directories. Remote Logon is a multi-tasking Risc OS application which runs alongside other desktop applications.

Having Remote Logon always available like this ensures that when you are away from your machine but urgently require a file stored on one of its discs you can access it remotely. Another use for Remote Logon is for connecting a BBC Micro to an Archimedes for the purpose of transferring files.

Worra Winnie SCSI Hard Disc Drives

As market leaders in SCSI drives for the Archimedes and A3000, Oak Solutions has earned an enviable reputation for quality and reliability.

The recent introduction of the Worra Winnie range has brought the price of our SCSI hard discs within the price range of users who previously would not have been able to consider adding a hard disc to their system.

Our bulk purchasing policy allows us to bring you these drives at staggeringly low prices, and yet, all drives are top quality units, manufactured and tested under a zero defect quality control regime to ensure the highest levels of quality and reliability.

The drives fall into two distinct categories:

Internal drives are available for the 300 and 400 series Archimedes machines and are supplied with the Oak Solutions 16 bit SCSI controller card, cables and mounting hardware.

External drives are available for the A3000 series machines (and also for 300/400 series - please specify when ordering). The 16 bit SCSI interface plugs into the podule expansion connector to the rear of the A3000 thereby leaving the internal expansion bus free for the most commonly needed interfaces such as the user port.

The SCSI card is housed in an attractive and robust aluminium case colour matched to the A3000. The drive itself is housed externally in a steel case and has its own switch mode PSU and a 12V DC brushless low noise fan - essential to ensure the continuing reliability of the drive.

The drives are available in 20Mb, 45Mb, 80Mb, 100Mb and 200Mb sizes. All drives are high quality 3.5" devices manufactured by Seagate or Rodime.

Both internal and external drives have auto-parking heads, and access times of 40mS (24mS on the 80Mb drives, and 18mS on the 100Mb and 200Mb drives). All of the drives transfer data at over 600Kb per second, which is twice as fast as conventional ST506 hard discs.

The SCSI card gives great scope for future expansion, and can support a further 3 hard discs, as well as tape streamers, CDROMs and Magneto Optical drives.

All drives are manufactured under Oak Solutions zero defect quality control regime to ensure trouble free installation and long term reliability. All drives come with a 12 month replacement guarantee.

ABC BASIC Compiler

The Archimedes BASIC Compiler is the only serious BASIC compiler available for the Archimedes. It is especially suited to the professional user who requires the speed and

protection of a compiled language whilst retaining the flexibility of using an interpreted language during the development process.

Cambridge Pascal

Cambridge Pascal conforms to BS6192:1982 and offers many Archimedes specific extensions such as SWI support, and the

ability to compile relocatable modules. Code generation is fast and the code produced is compact.



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