

■ D-NIX MIRROR DISK ■ RMIDLE ■ D-CALL ■ D-BATCH
 ■ D-WISAM ■ MS/PC-DOS FILE HANDLER ■ ABC/SBC-DOS FILE HANDLER ■ TW3

The software products presented in this leaflet have all been created to enhance the availability, security and reliability of a DS90 system.

D-NIX MIRROR DISK – a utility adding redundancy to the disk mass storage subsystem.

TW3 lets you set up your VT100 terminal to have simultaneous access to three different 'sessions', and to jump between these with a simple 'hot key' command.

RMIDLE is a utility that continuously monitors the terminal activities and automatically logs off terminals which haven't been active for a while. With **RMIDLE** in your system you will never have to worry about terminals being logged in while the operator is out for lunch.

D-CALL is another useful utility that increases the security in modem access mode. **D-CALL** will disconnect a caller and then call the other side back provided the call comes from an authorized computer or terminal.

D-WISAM is an ISAM file handler for use with optical WORM disk units.

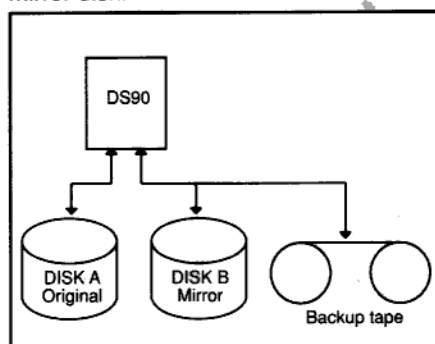
The **MS/PC-DOS FILE HANDLER** enables the DS90 system to read/write MS/PC-DOS diskettes or disks.

The **ABC/SBC-DOS FILE HANDLER** enables the DS90 system to read and write ABC/SBC-DOS diskettes or disks.

Disk redundancy software **D-NIX MIRROR DISK**

D-NIX MIRROR DISK is a utility program which can be employed to increase the availability and reliability of a DS90 system by adding redundancy to the most vulnerable part of a computer, the disk mass storage subsystem.

The mirror disk utility enables information to be stored on two physical hard disks simultaneously, the original and the mirror. The advantage of this concept is that a read error on the original disk is by-passed by reading the mirror disk.



Furthermore, **MIRROR DISK** monitors the condition of the hard disks making it possible to take necessary measures in time should one disk deteriorate.

The **MIRROR DISK** utility also makes backups easier. This is simply achieved by switching off the mirror function and then copy the mirror disk to tape. Once the backup is completed, the mirror function is switched on again and after a while the mirror disk will be completely updated.

In case of a disk breakdown, **MIRROR DISK** automatically disables access to that disk.

MIRROR DISK should be used in any DS90 system in applications where high availability is of primary concern.

Installation requirements

D-NIX 5.2 basic package version 2.0 or later (072-8701-XX). The hardware must include two harddisks of equal volume.

Ordering information

D-NIX MIRROR DISK 072-8520-XX

Security enhancement software **RMIDLE**

Leaving a terminal logged on and live in an application while going for lunch is part of human behaviour. But, anything could happen during that time...

This is a security problem which can be solved by installing the **RMIDLE** utility in the DS90 system.

RMIDLE continuously monitors the terminal activities and automatically logs off terminals which haven't been active for a pre-set period of time. **RMIDLE** is also an asset in systems where users are operating over modems and the public telephone network. **RMIDLE** will automatically shut down non-active communication links thus avoiding unnecessary communication costs.

RMIDLE can be set to be active during certain hours of the day. It is also possible to define the terminals to be monitored and the period of time after which the user shall be logged off.

Installation requirements

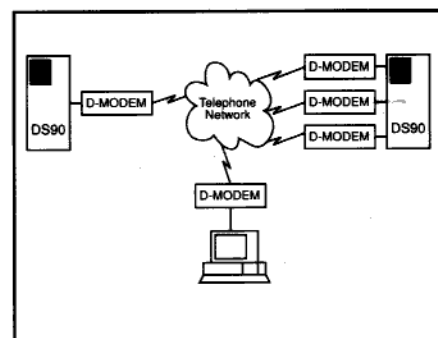
D-NIX 5.2 basic package version 1.2 or later (072-8701-XX).

Ordering information

RMIDLE 072-8707-XX

D-CALL

D-CALL is a utility designed to increase the security in modem access to a DS90 system. With **D-CALL** in the DS90 system, direct modem access will not be possible. Instead, **D-CALL** will disconnect the calling modem line and then call the other side back provided the call comes from an authorized computer or terminal. The call back routine can call



different numbers thus further increasing security against bugging.

The program works with Hayes compatible modems.

Installation requirements

D-NIX 5.2 version 2.1 or later (072-8701-XX). The file transfer facility included in D-CALL requires that the D-NIX extension package 079-8711-XX has been installed.

Ordering information

D-CALL 072-8532-XX

Batch processor

D-BATCH

D-BATCH reads commands from standard input and puts them on a queue from which jobs are executed one at a time. A priority from a to z can be given where a has the top priority. The default is m. Jobs with the same priority are executed in a FIFO fashion. The nice value of the job is the same as the one that put it on the queue. When the job is finished, the result can be mailed to the user and/or logged on a LOG file.

Installation requirements

D-NIX 5.2 version 2.1 or later (072-8701-XX).

Ordering information

D-BATCH 072-8721-XX

File handlers

D-WISAM

D-WISAM is an ISAM file handler for use with the WU90 and WU90R optical WORM disk units. WORM stands for Write Once, Read Many, meaning that a WORM optical disk can only be written once and that the written information can be read as often as desired.

A standard file handler cannot be used with optical disks. Instead, D-WISAM, a sub-set of C-ISAM, is used. Each D-WISAM file consists of a data file, which is stored on the optical disk, and an index file which is stored on a hard disk or directly in the primary memory. The datafile always contains information making it possible to automatically restore the index file if that should be necessary. Thanks to this facility, D-WISAM does not have to rely on files on different medias.

The Transaction Management, Audit Trail and Clustering are the sole C-ISAM functions which are not supported by D-WISAM.

Installation requirements

D-NIX 5.2 version 2.1 or later (072-8701-XX). The DS90 system must be equipped with an optical disk unit (WORM)

Ordering information

D-WISAM 072-8523-XX

MS/PC-DOS filehandler

The MS/PC-DOS file handler gives the user the facility to manage files and data on an MS/PC-DOS structured disc using the ordinary D-NIX utilities such as copy, rm, etc. The file handler is designed to take care of all different diskette formats, from MS/PC-DOS version 1.0 to later. Hard disk structured systems using 12 bit FAT entries can also be used. Diskettes or disks must be initiated on an MS/PC-DOS computer. The MS/PC-DOS makes it possible to read 360 kB, 720 kB and 1.2 MB diskettes. It is also possible to write diskettes formatted for 1.2 MB.

Installing the handler in the system is just a matter of using the /etc/mount program to add the wanted disk to the D-NIX file system. Then, using standard D-NIX utilities, read and write data and create and delete files, can be performed in the normal way.

ABC/SBC-DOS file handler

The ABC/SBC-DOS file handler manages ABC/SBC-DOS format files. Diskettes or disks created under ABC/SBC-DOS can be used. The ABC/SBC-DOS installs in the same manner as the MS/PC-DOS file handler.

Installation requirements

D-NIX 5.2 version 1.2 or later (072-8701-XX).

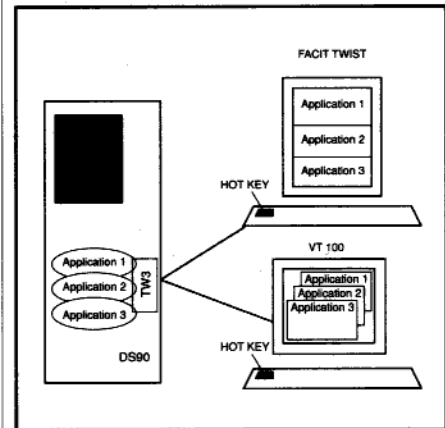
Ordering information

ABC/SBC-DOS 072-8703-XX
MS/PC-DOS 072-8759-XX

Screen handler

TW3 – a screen handler for VT100 terminals

The TW3 screen handler makes it possible to run up to three 'sessions' simultaneously and to jump between these with the aid of a 'hot key'.



With a Facit Twist 72 line terminal, three VT100 24 line screens can be presented at the same time. In this set-up, keyboard functions are transferred from one sub-screen to another with the 'hot key' facility.

TW3 enables screen dumps of any window to be made to a printer or a file. TW3 includes drive routines for a local printer. The softwares run with TW3 should be standard and does not require any modifications.

Installation requirements

D-NIX 5.2 version 1.2 or later (072-8701-XX).

Ordering information

TW3 072-8709-XX

NOTE:

XX is machine dependent