Save money, save time, save space and save data with *the leader* in disk management driveware...

ONTRACK
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*Call now for products **essential** in today's hard drive environments.*

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In MN (612) 937-1107
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6200 Bury Drive
Eden Prairie, MN 55346

SUPERPROMS®

Solves Disk Drive
Incompatability

ONTRACK
COMPUTER SYSTEMS INC.

Attach any size disk to your AT and gain storage.

Finally, full capacity storage for the AT.

The AT is notorious for its limited selection of fixed disk drive types. This simple fact may be preventing you from utilizing the full capacity of your current disk drive or even adding a higher capacity drive to your system. That is, until now.

SUPERPROMS® is a chip set designed by ONTRACK to help AT and compatible users gain full capacity from their disk drives. SUPERPROMS turn non-standard drives into standard drives allowing you to attach any ST412/ST506, ESDI or RLL disk drive you want to your AT *and gain total storage capacity from that drive*.

But that's not all. SUPERPROMS crash through another roadblock to full storage capacity -- the DOS 1024 cylinder barrier. For the first time, disk drives with more than 1024 cylinders can now offer full storage capacity! SUPERPROMS will format them in a DOS compatible fashion but with enough cylinders to fill the space available.

A cure for the installation headache.

Disk installation with SUPERPROMS is a snap. They simply plug into your system board beside your system ROMs. You can then boot directly from your hard disk and even from most removable media drives. Add near total compatibility to these features and you come up with the latest in disk drive installation for the AT user.

```
        SETUP DRIVE TYPE   VERSION 2.1
  COPYRIGHT (C) ONTRACK COMPUTER SYSTEMS INC 1986, 1987
       This is a list of the fixed disk drive types in ROM

  Type   Total   Total   Write    Control   Landing   Sectors/
         Cyls    Heads   Precomp   Byte      Zone     Track

  76     1024     7       128        0       1024       17
  77     1024     7      1023        0       1024       17
  78     1024     8      FFFF        0       1024       17
  79     1024     9      FFFF        8       1024       17
  80     1024     9       128        8       1024       17
  81     1024    15      FFFF        8       1024       17
  82     1024    15      FFFF        8       1024       26
  83     1066     7       128        8       1066       17
  84     1224    15      FFFF        8       1224       17
  85     1224    15      FFFF        8       1225       26
  86      969     5         0        0          0       34
  87      969     7         0        0          0       34
  88      969     9         0        0          0       34
  89     1024     4         0        0          0       34
  90     1024     5         0        0          0       34

      Hit the space bar to display more data
       Press return key to display menu
```

The above screen displays a partial selection of disk drive table entries preset in SuperProms.

The secret is table entries.

For any disk drive to obtain maximum use, it first must have its own table entry within the AT. SUPERPROMS will establish a table entry for your specific drive, allowing you full use of your drive's capacity. SUPERPROMS are capable of handling up to 255 separate disk drive entries.

Breaking through the DOS 1024 cylinder barrier.

No matter how many cylinders your disk drive may contain, DOS will always limit the number you can use for storage to 1024. If you've got a drive with more than 1024 cylinders, that creates a problem. You've got the space, but DOS isn't letting you use it.

But with SUPERPROMS hardware, in conjunction with Ontrack's own Disk Manager software, you instantly break the DOS 1024 cylinder barrier. Drives that exceed 1024 cylinders suddenly attain full storage capacity!

Manual or automatic disk set-up.

SUPERPROMS will automatically pick the correct table entry and set your drive type for you. You can also select your drive type manually.

Low level initialization.

SUPERPROMS come with a complete low level initialization program with selectable interleave. It allows you to enter factory defects. It also offers track & disk verification and a comprehensive data scan.

Compatibility.

Ontrack's SUPERPROMS chips are compatible with the IBM AT and most compatibles. They are also compatible with most operating systems and networks **including DOS, Unix, Xenix, Pick and Novell Netware 2.1.**

Freedom of choice for your AT.

Until now AT computers severely limited your choices with respect to hard drive storage and storage capacity. SUPERPROMS gives you the freedom to choose whichever disk drive best meets your needs. SUPERPROMS offer ST412/ST506, ESDI and RLL compatibility, 255 table entries, 1024 cylinder barrier breakdown, quick installation, easy disk setup *and* an initializer program.

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Value -Added
Device Drivers

SCSI Support
for Novell Networks

ONTRACK
COMPUTER SYSTEMS INC.

SCSI flexibility for Novell Networks.

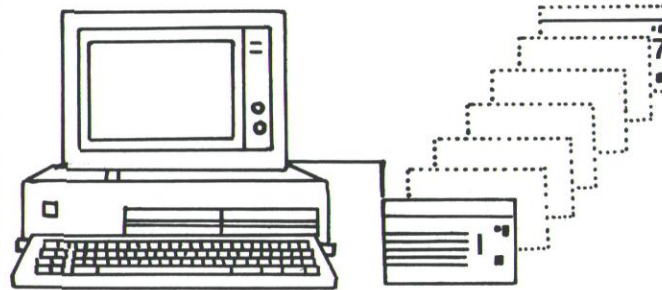## Value -Added Device Drivers from the company that brought you Disk Manager-N™

SCSI disk drives as Novell file servers.

For years now ONTRACK has given Novell network managers the freedom to install relatively inexpensive, non-standard drives on their networks -- large drives that go beyond the capability of the file server hardware. Disk Manager-N has made a whole new generation of inexpensive and large capacity Novell file servers possible and, in addition, has installed them much faster than Novell's own "Compsurf" program.

Now ONTRACK extends this freedom even farther. For equipment based on the SCSI (*Small Computer Systems* Interface) standard, and for those network managers who want the flexibility of being able to add additional drives, Value-Added SCSI drivers from ONTRACK build the bridge to Netware 2.1. Network managers, dealers, consultants, VARs -- anyone supporting Netware networks -- can now install up to seven SCSI drives of any size allowed by Netware.

The SCSI advantage: Additional storage made easy.

With several major manufacturers supporting the SCSI standard and ONTRACK offering the device driver link, a wide range of competitive drives are now available to network managers for use with a file server. With a SCSI controller card and an ONTRACK VADD up to seven SCSI drives per channel can be added. (Five channels are available.)

UP TO SEVEN SCSI DRIVES CAN BE ADDED PER CHANNEL.

Fully tested on most SCSI drives.....

ONTRACK has tested and insured VADD (Value Added Device Driver) compatibility with every major SCSI hard drive built today. With ONTRACK VADDs you have freedom of choice. Choose the disk drive that meets your network needs.

...and compatible with the most popular controllers.

ONTRACK's Value-Added SCSI drivers are available for the Adaptec AHA-1540, the Rancho Technology RT10-AT and RT10-XT

and Western Digital's WD 7000 ASC. Other controllers are being added so call for updated specifications!

Full compatibility with every version of Netware 2.1...

All of these ONTRACK VADDs are designed for use with the latest and best releases of Netware. They're fully tested compatibility with Netware 2.1 gives you the best of Netware combined with the best file server options possible.

.... means fast, easy installation.

All you have to do is follow Novell's own Value-Added Device Driver Procedure. No additional installations or patching is required!

Backed by ONTRACK's skilled technical staff, known world-wide for their Novell expertise.

ONTRACK backs up every program it publishes with one of the industry's most serious commitments to technical support including highly trained support engineers who have a thorough knowledge of the products and sustain one of the best response rates in the industry. And when it comes to Novell expertise, ONTRACK is a leader recognized by the largest disk drive manufacturers world-wide. **So call 1-800-752-1333 today for the SCSI flexibility you've been looking for.**

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