

MICRO SYSTEMS

Micro Systems

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(717) 528-8493

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Here Is The Information You Requested!

What's New - July 19, 1994 *Tech Notes & Jumper Manual Volume 2 is now shipping \$19.95*

Lower Prices On ALL Hard Drive And Hard Cards!

NEW Magazine For Tandy Owners!!!

Computer News PC is a new magazine that provides support for the Tandy owner! You will support for you system that is not found in the glossy magazines found on the magazine racks today. This magazine has great articles for the beginner to the advanced users. It covers the 1000's, 2500's, 3000's, 4000's and Sensations! It is a bi-monthly magazine, with hopes to going monthly. The magazine is 40 or more pages of support articles, software reviews, programs and more. Sample issues are available from Computer News PC, P O Box 680, Casper WY 82602, (307) 265-6483. Tell'em Micro Systems sent you.

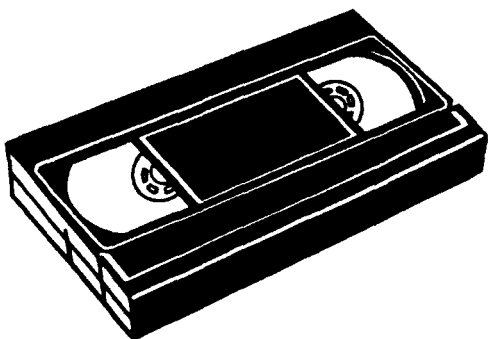
Where Is Our Ad In PCM???

From January thru July of this year, PCM did not publish 3 issues of their magazine. As a long time advertiser this began to worry us. At this time we have suspended advertising with them until they can get back on track. After all we are spending a lot of money on ads with them, for them not to publish 3 months out of 7 months this year. We will continue our ads in places such as Computer Shopper, Nut's & Volts, Computer New PC, plus other magazines we run ads in. We may be back in PCM in the future. In the mean time, you can always give us a call for an updated catalog. As always, we will be here to support you and your computer. Remember, items you purchase for your Tandy, such as hard cards, hard drives, floppies, VGA, etc. will also work in other non-Tandy systems that you may purchase in the future. We design our products that way so you don't buy into a dead end.

Used Equipment Warning - We have been hearing alot of complaints about another company selling used hard cards, hard drives, floppies, etc, as NEW equipment. Becareful! Remember, we only sell NEW equipment with full warranties!

Hours Are M-F 9am to 6pm EST
For Questions Call (717) 528-8493
For Sales Operator Call (800) 548-5182
Have Item Number Ready.

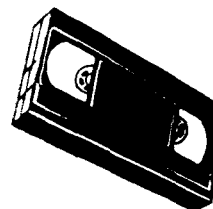
386 & 486 Owners
420 Meg Hard Drive
Only \$289



New Video!

Secrets Of The 1000's

Vol 1, \$29.95



Item #. VID1
VHS Only, S&H \$5

Approx 90 min.

This fantastic video reveals the secrets to upgrading the 1000's!!!! Now you can learn step-by step how to install hard drives, hard cards, floppy drives, memory, VGA, modems, mice, speed upgrades and more! Learn how the experts make compatible parts work in the 1000's! **No more secrets!** Everything is being revealed. This exciting new video covers all of the 1000's. This video is loaded with tips and tricks on upgrading your system! This tape was a sell-out in just three weeks!

Order Today! Item # VID1, Call 800-548-5182

*"I learned a lot about upgrading my 1000, I am looking forward to more of your videos" J.K.
Glen Burnie MD.*

"Fantastic video, I never knew how easy it is to upgrade my system!" R.F. Orlando FL

"Thanks for letting us preview this video. It's dynamite! Every 1000 owner should have it! I can't believe you created a video that reveals so much!" M.R. Atlantic City, NJ

Coming Soon.....Volume 2!

Learn All The Inside Information On Upgrading Your Tandy 1000!

We are releasing all the "secret" technical and upgrade information on the 1000's!

Volume 1: This book contains upgrade information and all the jumper and switch settings for the 1000's. Tech notes on the ROM BIOS, latest BIOS versions, video, com ports, printer ports, memory upgrades, pin outs, secrets of the SL's and TL's rom and much much more! Complete upgrade information, speedup information, and system updates, that no one ever tells you about! Plus, quick lookup charts and a detailed chapter for each model of the 1000's!!

Volume2: This volume contains all the detailed information on the add-on accessories that Tandy offered. This covers hard drives, hard cards, modems, fax/modems, serial & parallel port, floppy drives, pinouts, setup charts, monitors, password settings, and so much more!!! This volume covers all of the Tandy DOS machines.

Tech Notes & Jumper Manual
Vol. 1 The 1000's Item # TM1
Vol. 2 The Accessories Item #TM2
Each Volume Only \$19.95 S&H \$4

1000 Owner's! Convert Your System To A 386 or 486 System!

Other Companies Are Charging You A Fortune
To Do Something This Simple!
Read This Book, Then Do It Your Self and Save!

"Building A New System From Your Old Parts" Newly Revised

Did you know that your hard drive, hard card, floppy drives, keyboard, monitor, memory and other parts, can be used in another computer? This book show you how! For example, if you have a 1000SX computer, with a CM11 Monitor, 40 meg hard card, 2 floppy drives, modem and mouse, you could build a 386-40SX system for less than \$400! This is the example in the book! Item # BUILD

Order Today! \$14.95 S&H \$4

Questions or Orders (717) 528-8493

Orders Only (800) 548-5182, Please Have Item Number or Description Ready

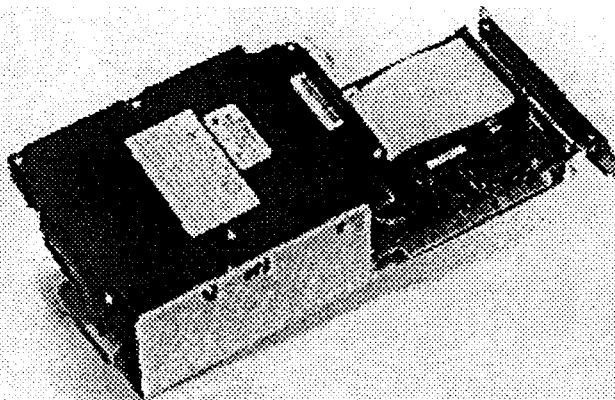


**** NEW LOWER PRICES!! ****

Hard Disk Cards

**For 1000, A, HD, SX, TX, SL's & TL's
2500's, 3000's & 4000's**

Super Charge Your System With A Ultra Fast IDE Hard Disk Card! They Read and Write 4 to 5 Times Faster Than Other Types Of Hard Cards! Each Of These Hard Cards Have A Built-In Disk Caching System To Make Them Even Faster!



Don't Buy Into A Dead End!

<u>Item #</u>	<u>Description</u>	<u>Price</u>	<u>Our Hard Disk Cards</u> will move to any 386 or 486 system that you may purchase in the future! That way you can buy it today and use it when you upgrade! Even if your new system already has a hard drive. Simply unplug it from your system and install it into your new computer!
HC211	211 Meg Seagate IDE 12ms	\$259	
HC260	260 Meg Seagate IDE 12ms	\$279	
HC340	340 Meg Seagate IDE 12ms	\$319	
HC420	420 Meg Seagate IDE 12ms	\$339	

Tech Note: All hard cards are pre-formatted and tested in the same type of system you're ordering it for! All hard drives require DOS 3.3 or higher. Yes, you can run a newer version of DOS on your 1000's. You can run 2 hard cards or a hard drive and hard card in your system, please give us a call at (717) 528-8493 so we can help you with this.

**** NEW ** Build Your Own Hard Card!**

**With easy to follow
video tape instructions!**

Install your 3.5" hard drive and controller on a hard card bracket! Each hard card kit includes, hard card bracket, power cable, mounting hardware and *instructional video!*

<u>Item #</u>	<u>Description</u>	<u>Price</u>
HCBV	Tandy 1000 Hard Card Bracket	\$19.95
HCVX	XT, 2500, 3000's, 4000's Bracket	\$19.95

Please specify model of computer.

HX Hard Drives Ultra Fast IDE Hard Drives!

<u>Item #</u>	<u>Description</u>	<u>Price</u>
HD211X	211 Meg Seagate 12ms	\$259
HD260X	260 Meg Seagate 12ms	\$279
HD340X	340 Meg Seagate 12ms	\$319
HD420X	420 Meg Seagate 12ms	\$339

Includes: Hard drive, controller, cables, mounting screws, instructions. Replaces the internal "B" floppy drive. You must have 640K ram installed.

**** Special ** Save \$15**
**Buy both a Hard Card Bracket Kit
and a ADP50T controller that will
run most IDE hard drives.**

Only \$65.95 Item # SPEC1

All you need is an IDE hard drive
and you'll have your self a Hard Card!

Please Specify Model Of Computer

2500 XL Owners

Turn you system into a 486!
You system will run up to 300% faster!

Easy installation, complete instructions! Simply remove the old CPU chip and install the 486 module into the CPU socket! Sorry NOT for 2500XL/2. Works in most 3000NL systems, call tech support for more info.

Order Today Only \$279 Item # CPU486

Hard Drives



For The 2500's, 4016's, 4020's, 4025's, 4033's, 4820's, 4833's, Sensation's and 386 & 486 Systems With IDE Interfaces.

<u>Item #</u>	<u>Description</u>	<u>Price</u>
HD211B	211 Meg Seagate 12ms	\$189
HD260B	260 Meg Seagate 12ms	\$199
HD340B	340 Meg Seagate 12ms	\$249
HD420B	450 Meg Conner 12ms	\$289

Includes: 3.5" Hard Drive, Mounting Screws and Formatting Instructions.

3000 & 4000 Owners

To add a hard drive to your system, simply purchase one the the above hard drives and the ADP60 controller listed just to the right and a 5 1/4" mounting frame if needed. (They are \$5) Then you will have everything you need to install a hard drive into your system!

Hard Drive Accessories

Controllers

ADP50T	Tandy 1000/3000HL IDE Controller	\$59
ADP50	IBM 8bit IDE Controller	\$59
ADP60	Tandy 3000/4000 IDE/Floppy Controller	\$59
ADP20	286/386/486 IDE/Floppy Controller	\$19
BIDE	IDE/Floppy, 2 serial/1 printer port	\$39

Cables

HDCAB1	Single IDE Cable	\$4
HDCAB2	MFM/RLL/ESDI Hard Disk Cables	\$4
HDDUAL	Dual IDE Cable	\$5
FLCAB	XT/AT Floppy Drive Cable	\$3
FLCAB1	1000/A/SX Floppy Drive Cable	\$7
FLCAB2	1000 SL Floppy Drive Cable	\$7

Misc

HDFRAME	5 1/4" Hard Drive Mounting Frame	\$5
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If You Don't See What Your Looking For, Call Us.

IDE Controllers

For The 1000's, 3000's, or 4000's!

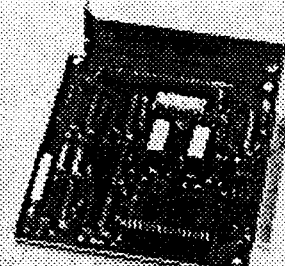
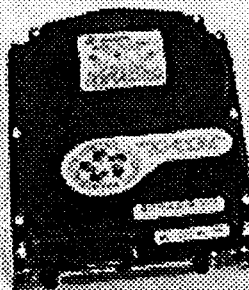
For the 1000's and 3000HL: This 8 bit controller card will allow you to use most IDE 16 bit hard drives in the 1000's and 3000HL! The controller card has its own special on-board BIOS rom that lets it work in the 1000's and 3000HL. This controller fits our hard card brackets also. Standard IDE controllers will not work in the 1000's. 1000EX/HX version \$79

<u>Item #</u>	<u>Description</u>	<u>Price</u>
ADP50T	Tandy Style IDE Controller	\$59

For the 3000's and 4000's: This 16bit controller will allow most IDE drives to work in the 3000's and 4000's. The 3000's and 4000's system BIOS does not support IDE drives, therefore you will need an IDE controller that has a auto-configuring BIOS, such as this card. This will allow the computer to use the IDE hard drive.

<u>Item #</u>	<u>Description</u>	<u>Price</u>
ADP60	3000 & 4000 IDE Controller	\$59

Please specify model of computer when ordering.



Hard Disk Kits

For the 1000, A, SX, TX, RL's, SL's & TL's Ultra Fast IDE Hard Drives!

Mounts In One Of The Floppy Drive Bays. If you are out of drive bays, then try one of our hard disk cards!

<u>Item #</u>	<u>Description</u>	<u>Price</u>
HD211	211 Meg Seagate 12ms	\$259
HD260	260 Meg Seagate 14ms	\$279
HD340	340 Meg Seagate 12ms	\$319
HD420	450 Meg Conner 12ms	\$339

Includes: 3.5" IDE Hard Disk, Controller, Cable, Mounting Screws, Installation and Formatting Instructions. 5 1/4" mounting frame may be required with some models. (Frame is \$5)

Our Hard Disk Kits will move to any 386 or 486 system that you may purchase in the future!

Questions or Orders (717) 528-8493



Orders Only (800) 548-5182, Please Have Item Number or Description Ready

Memory Upgrades

Easy To Install

Tandy 1000's All Models

1000 & 1000A call with memory board model number		
MEM512	1000HD expand from 256k to 640k	\$38
MEM256	1000SX & AX expand from 384k to 640k	\$19
MEMSL	1000SL & SL/2 expand from 384k to 640k	\$25
MEMT	1000TX & TL's expand from 640k to 768k	\$15
MEMRL	1000RL & RL-HD expand from 512k to 768k	\$15
MEMRLX	1000RLX expand from 512k to 1 Meg	\$49
MEMVID1	1000RSX Video Ram 256k	\$15
TSIM13	1000RSX 1 Meg Ram Module	\$call
TSIM4	1000RSX 4 Meg Ram Module	\$call
MEM256	1000EX & HX expand from 384k to 640k	\$19
MEMX	1000EX & HX memory board, expand from 384k to 640k	\$99.95

Tandy 1200's With 7 Expansion Slots

MEM512	Memory kit expands to 640k	\$38
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Tandy Sensation 4 Meg Upgrade \$179

2500's, 4000's Other Tandy 386 & 486 Systems

TSIM19	See Chart Below	\$59
TSIM13	See Chart Below	\$49
Video Ram Upgrade, Call For Prices		

TSIM19	- 2500XL & 2500XL/2
TSIM19	- 2500SX-16, 2500SX-20, 2500SX-25
TSIM13	- 2500SX-25, 2500SX-33
TSIM19	- 4000, 4000LX, 4016SX, 4016DX, 4020SX
TSIM19	- 4033LX, 4020LX, 4020DX
TSIM13	- 4833LX/T, 4820LX/T

Tandy 2500 & 3000 Extended Memory Boards

BRAT90	8 Meg Memory Board w/0 megs	\$129
BRAT92	8 Meg Memory Board w/2 megs	\$199
BRAT94	8 Meg Memory Board w/4 megs	\$299
BRAT96	8 Meg Memory Board w/6 megs	\$399
BRAT98	8 Meg Memory Board w/8 megs	\$499

3000 Memory Upgrades

MEM3	3000 & 3000HD expand from 512k to 640k	\$38
MEML	3000HL & 3000NL expand from 512k to 640k	\$19

NOTE:

Memory Prices Are Subject To Change!

Due to the memory market, there may be spot shortages with some of our memory products. Please call when ordering.

Laptop Memory

Tandy 1500, 2810, 3810 Laptops

MEMLAP1	1 Meg Memory Module	\$79
The 1500 uses just one MEMLAP1. With the 2810 and 3810 laptops, you can install either 2 or 4 MEMLAP1's.		

Tandy 2820, 3820, 3830 Laptops

MEMLAP2-2	2 Meg Memory Module	\$169
MEMLAP2-6	6 Meg Memory Module	\$329

Tandy 1800 and 3800 Laptops

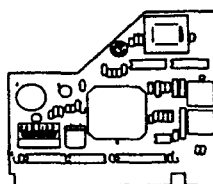
MEMLAP3	1 Meg Memory Module	\$49
You need to install memory in pairs in these systems, so you will need to order 2 of the MEMLAP3 modules.		

Micro Mainframe

Expanded Memory Boards For 1000's

Item #	Description	Price
EMS0	2 Meg EMS Board w/0 megs	\$129
EMS1	2 Meg EMS Board w/1 meg	\$179
EMS2	2 Meg EMS Board w/2 megs	\$229

All boards come with RAMDisk, Print Spooler and LIM 3.2 software on 5 1/4" disks. This board is great for disk caching, Ram Disks, etc.



Modems

BOCA Modems, 5 Yr Warranty

Item #	Description	Price
MB24I	2400 Internal Modem w/software	\$49
MB24E	2400 External Modem	\$79
MB14I	14.4k Int. Fax/Modem Windows Soft.	\$119
MB14E	14.4k Ext. Fax/Modem Windows Soft.	\$149

PC Logic Modems, 3 Yr Warranty

Item #	Description	Price
MP24I	2400 Internal Modem w/Prodigy	\$49
MP24E	2400 External Modem	\$69
MP14I	14.4k Int. Fax/Modem, Dos Software	\$149
MP14E	14.4k Ext. Fax/Modem, Dos Software	\$159
MP24F	2400 Modem/9600 Fax, Int. Dos Software	\$79

Only internal modems come with software. All software is on 3.5" disk. This may be subject to change by the manufacturer. We have no control over what size disks the software comes on. Software is not copy protected so you can copy the software to the disk size you need. Not for EX/HX computers.

Questions or Orders (717) 528-8493



Orders Only (800) 548-5182, Please Have Item Number or Description Ready

Speed Upgrades!!

Up To 50% Faster!
For The 1000, A, HD, SX, EX, HX & SL's

<u>Item #</u>	<u>Description</u>	<u>Price</u>
V20	For 1000,A, HD, SX, EX, HX	\$19.95
V30	For 1000SL and SL/2	\$24.95

Easy To Install, Complete Instructions.

This speed upgrade is a CPU replacement chip. You simply remove the old CPU and install the new one. These CPU chips are an optimized CPU. They don't increase the clock speed, but they process your programs and data faster! For example: we ran a test by sorting names and addresses in memory on the 1000SX. With the old CPU it took 1 minute, 35 seconds. With the new CPU it took only 55 seconds!

Multimedia Soundboards and CD-ROM Drives

SGBXII Sound Galaxy 8 bit board w/speakers \$ 7 9
 Ideal for the 1000's! Fully SoundBlaster compatible, Digital Voice Output, Software Driver, Speakers and more

SGPRO16 Sound Galaxy Pro 16 \$149
 Includes: Headphones, Microphone, SoundBlaster Pro 16, Ad-Lib, Microsoft Windows Sound System compatible, Voice Recognition Software, MIDI Interface, Stereo Sound, Joystick Port, Text to Speech Synthesizer, 11 voice FM synthesis, DOS and Windows support.

SGCD Multimedia Upgrade Kit ³⁷⁹ ~~\$399~~
 Turn your 286, 386 or 486 into a multimedia PC. Includes Dual Speed Internal CD-ROM player, 5 CD-ROM Titles, Sound Galaxy PRO 16 Card, Headphones, Microphone, DOS and Windows Software and more!

CD-ROM Drives

Dual Speed CD-ROM Drive \$159

CD1 This CD-ROM kit includes, interface card, Drivers, Manual, Cables, Mounting Screws and Installation Instructions. 360ms access, 150K/300K data transfer rate. MPCII

**Mitsumi Dual Speed
 CD-ROM Drive Only \$179**

CD2 This CD-ROM Kit includes a Mitsumi Dual Speed 320ms access time CD-ROM drive, 16bit interface card, CD-ROM Drivers, Cables, Mounting Hardware, Instructions, 150K/300K data transfer rate. Fully MPCII.



VGA Monitor
.28 dot pitch
& VGA Card
Only \$289

VGA Combo Packages
For 1000SX, TX, SL's, TL's, RL's
3000's and 4000's

<u>Item #</u>	<u>Description</u>	<u>Price</u>
VGA1	640x480 .28, 256k 8/16bit card	\$289
VGA3	1024x768 .28, 1 meg 8/16bit card	\$339
VGA4	1024x768 .28 NI, 1 meg 8/16bit card	\$359

NI = Non-Interlaced Monitor, VGA 4 Package

All Packages Include: Color VGA Monitor, VGA Card, Cables, FIXVGA Disk and Tilt & Swivel Base.

What's The FIXVGA Disk?

When the 1000's boot up, they automatically set the VDC (Video Display Code) in memory to CGA. This fix program, when placed in the autoexec.bat file, will correctly set the VDC to read VGA. This program will not use any memory! This disk is included ONLY in the VGA combo packages. You may order this disk separately for \$7.95. Item # FIXVGA. Available on 3.5" only.

Video Cards and Monitors

Video Cards

<u>Item #</u>	<u>Description</u>	<u>Price</u>
BCGA	CGA & Monochrome w/Printer Port	\$39
VGA256	256k VGA Card, 8/16bit switchable	\$49
VGA1	1 meg SVGA Card, 8/16bit switchable	\$99
VGAX3	Boca 1 Meg SVGA X Card, 16bit only	\$149

Please specify model of computer.

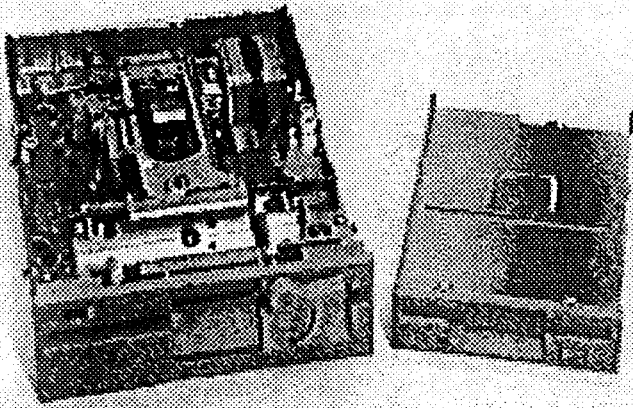
14" VGA Monitors

<u>Item #</u>	<u>Description</u>	<u>Price</u>
VGAM1	Daytek 24x768 .28 dot pitch	\$249
VGAM3	CTX 1024x768 .28 Non-Interlace	\$289

Yes, You Can Add VGA To The 1000's

If you have the 1000SX, TX, SL's, TL's or RL's you can add VGA to your system. We have tested hundreds of VGA cards and monitors and have put together several packages for the 1000 owner. Please note, some older games may have trouble running in VGA mode. Contact the software manufacturer for an updated version of the program. Sorry VGA is not available for the 1000, 1000A or 1000HD.

Floppy Drives



720K Internal

For 1000, A, HD, SX, AX, 3000HL

FL720 3.5" 720k Internal Floppy Drive \$69

720K Internal

For 1000SL, SL/2, TL's, RL, TX

FL720SL For SL only, 3.5" 720k w/frame & cable \$75

FL720T For SL/2, TL's, RL, 3.5" 720K \$75

FL720TX For 1000TX Drive A: Only, 720k \$75

1.44Meg Internal

For 1000TL/3, RLX, RSX, 2500's, 3000NL, 4000's

FL144T 3.5" 1.44 Meg Internal Floppy Drive \$75

1.2Meg Internal

For 1000TL/3, 3000's, 3000NL, 2500's, 4000's

FL12 5.25" 1.2 Meg Internal Floppy Drive \$69

EX/HX Floppy Drives Internal

FL720X 3.5" 720k Internal HX Floppy Drive \$75

FL720E 3.5" 720k Internal EX Floppy Drive \$69

Please Specify A or B, Internal Drives Only!

Math Co-Processors

Item #	Description	Price
386SX	For 386SX systems up to 40Mhz	\$ 79
386DX	For 386DX systems up to 40Mhz	\$ 79
287XL	For 286 systems up to 16Mhz	\$ 79

Colorado Tape Drives

DJ10	120 Meg Internal Tape Drive	\$129
DJ20	250 Meg Internal Tape Drive	\$189
JT10	Jumbo Trakker 120 External Tape Drive	\$239
JT20	Jumbo Trakker 250 External Tape Drive	\$349
Jumbo Trakker Connects to most standard printer ports!		
Ideal for laptops and desktop computers!		
Tandy 1000 Owners, Please Call For Tape Backups		
120 Meg Tapes	\$23	250 Meg Tapes \$23

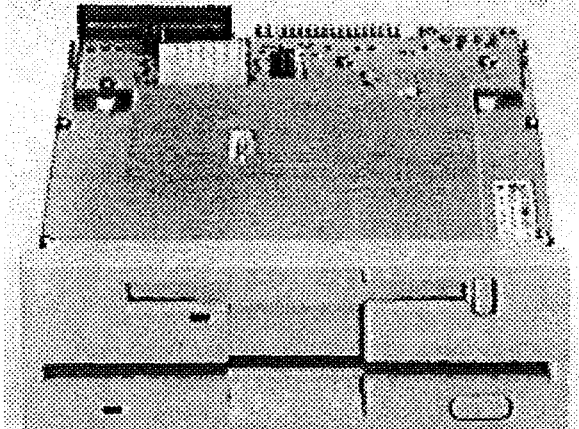
1000 Owners

You Can Add A 1.2 and 1.44 Meg Floppy Drive To Your Computer!

For the 1000, 1000A, SX, AX, TX, SL, TL, TL/2, RL's

Item #	Description	Price
FL144K	Internal 1.44 Meg Floppy Drive Kit	\$139
FL12K	Internal 1.2 Meg Floppy Drive Kit	\$139

Now Add BOTH a 1.2 and 1.44 Meg Floppy Drive With A Dual Media Floppy Drive Kit.



FLDUALK Internal Dual Media Floppy Drive Kit \$219

This Dual Media Floppy Drive Kit has both a 1.2 and 1.44 meg floppy drive built-in to a single 5 1/4" size drive.

Why Do 1000's Need A Special High Density Kit?

Because all of the 1000's, with the exception of the TL/3, RLX and RSX only have a low density controller built-in to the motherboard. For years Radio Shack & Tandy have said you couldn't install high density drives in the 1000's. They were partly right, you can't install a 1.2 or 1.44 meg drive into the system using the built-in floppy controller. **YOU CAN,** however, install one of our high density kits with a special high density controller and **MAKE IT WORK!** We have been doing this for years! The high density drive will not work as an A: drive. It will be the last drive letter in your system.



Star Printers

NX1001	9 pin Multi-Font Printer	\$159
180cps, 5 built-in fonts		
NX1040R	Rainbow Color Printer	\$179
9 pin, 7 color printing, 180cps,		
NX2420	Rainbow Color Printer	\$269
24 pin, Prints 7 colors, the industry standard for color printers!		
NX2480	24 pin High Speed Printer	\$289
Prints up to 330 cps, 18 bit map fonts and 15 TrueType fonts, LCD display		

Questions or Orders (717) 528-8493

Orders Only (800) 548-5182, Please Have Item Number or Description Ready



EX/HX Accessories

Memory Upgrades

MEM256 Expand from 384k to 640K \$19.00
Expand Tandy's memory board from 384k to 640k

MEMX Expand from 256k to 640k \$99.95
Memory Board w/memory, expand from 256k to 640k

HX Hard Drives

Item #	Description	Price
HD130X	130 Meg Seagate 16ms	\$259
HD211X	211 Meg Seagate 12ms	\$299
HD260X	260 Meg Seagate 12ms	\$329
HD340X	340 Meg Seagate 12ms	\$379

Includes: Hard drive, controller, cables, mounting screws, instructions. Replaces the internal "B" floppy drive. You must have 640K ram installed.

Add-On Cards, Cables, Floppy Drives

FL720X 3.5" 720k Internal HX Floppy Drive \$75
FL360X 5.25" 360k Internal EX Floppy Limited Qty \$69
Please Specify A or B, Internal Drives Only!

SERX Serial Board EX/HX \$39.95
DSERX Dual Serial Board EX/HX \$49.95
2400INTX 2400 Internal Modem EX/HX \$79.95
The above three items require the memory board.

CLOCK "Smart" Clock Chip \$29.00
PRTTAN6 Tandy Style Printer Cable 6ft \$12.95
PRTTAN12 Tandy Style Printer Cable 12ft \$19.95
FLCABHX HX Internal Floppy Drive Cable \$9.00
FLCABEX EX Internal Floppy Drive Cable \$9.00



A-B Switch Box Kits

Connect 2 Printers To 1 Computer
or
Connect 2 Computers To 1 Printer

ABKIT1 2 Computers to 1 Printer \$24.95
A/B Box, 1 Centronic-Centronic Cable
ABKIT2 2 Printers to 1 Computer \$29.95
A/B Box, 2 Cent-Centronic Cables

ABCENT Centronics A/B Switch Box, No Cables \$19.95
ABSER9 Serial A/B Switch Box, No Cables, 9 pin \$19.95
ABSER25 Serial A/B SwitchBox, No Cables, 25 pin \$19.95
ABX A/B Crossover Switch Box \$24.95
ABCDs A/B/C/D Serial Switch Box \$24.95
All Switch Boxes Are Heavy Duty Constuction, With High Grade Switch Contacts.

Add-On Cards

Item #	Description	Price
SERIAL	Single Serial Port Card 25 pin	\$19.95
DSER	Dual Serial Port Card 25pn	\$29.95
BIO	Dual Serial, 1 Printer Port Card	\$34.95
BIOP	Dual Seril, Dual Printer Port Card	\$49.00
LPT	Single IBM Printer Port Card	\$19.00

BCGA Switchable CGA/Mono Video Card \$39.00
CLOCK "Smart" Clock Chip \$29.00
PRTTAN6 Tandy 1000 6ft Printer Cable \$12.95

Mice & Trackballs



HiPoint Trackball
For Laptop
Computers \$49

Item# HPTRACK. Take it anywhere trackball, attached to the sides of most laptops. Includes clamps/clips for total compatibility. 9/25 adapter, software drivers on 3.5" disk, carrying case.



3 Button Serial Mouse
MicroSoft Mouse Compatible
Plugs Into Any Serial Port!
Works With All 1000's!
Software on 5 1/4" disk only.

*This is such a hot
selling mouse, that
this is the only one
we carry any more!*

\$29.00

Includes 9-25 pin adapter.

101 Style Keyboards

101KEY For Non-Tandy's \$39
101KEYS For SL, TL, TL/2 \$49
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This volume of our Tech Notes explains upgrading to DOS 6.0 on the Tandy 1000 series of computers. It contains the most often asked questions about upgrading. What will work, what won't work, expand edvs extended memory, problems with systems that have DOS in ROM. Creating and deleting partitions, creating a boot recovery disk and more!. We will take you step by step on upgrading to DOS 6.0

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INDEX

EXPANDING AN OLDIE by Nancy A. Black	Page 1
DIARY OF A Fa.T. by Rita Laws	Page 2
SAFETY FIRST by David P. Miller	Page 4
SUBDIRECTORY MAGIC by David Goben	Page 6
PORT.BAS PROGRAM by Jeff Vavasour	Page 10
SOFTWARE REVIEWS by the CNPC Staff	Page 11
BASIC PROGRAMMING VI by Charles Weaver	Page 12
PROGRAM LISTINGS	Page 17
WYOMING SOFTWARE	Page 21
CNPC PRODUCT GUIDE	Page 28
SHOPPERS GUIDE	Page 30
CLASSIFIED	Page 31

EDITORIAL COMMENT

Rumor laid to rest. In a previous issue we informed you that Professional File published by the Software Publishing Company would load files from the very first edition of pfsFile intact with field headers, data and form layouts, without a hitch. This is still true Professional File will do all of that and much more. However several readers called to tell us that Professional File was no longer available from the normal sources, because the Software Publishing Company had sold the pfs programs to Spinnaker which had dropped the File and Write products. Not true. Software Publishing did sell its pfs product line to Spinaker, but did not sell the Professional line of products such as Professional File and Professional Write. These products are still available and in fact are bundled together for a limited time where you can buy both for the price of one.

If you are searching for this product and can't find it, contact us and we will provide a list of current sources.

We have received a gratifying reception from our introduction of public domain and shareware software for our readers. We hope to expand the list of programs available as rapidly as possible.

The fact that we provide the programs in a fully operational format without your having to de-arch, de-zip or even know anything about compression tactics has been received by many who have expressed their appreciation for this type of distribution. Your suggestions are appreciated.

EXPANDING AN OLDIE

by Nancy A. Black

Few people will advise you to expand an XT or other older computer these days. For about the same amount of money you'd likely spend on adding memory, hard drives, or expansion cards, the argument goes, you can buy a 286 or even a 386 computer. While this advice may be economically correct, it may not be good advice for you. Aspects other than economic considerations often tilt decisions about expanding an older computer into the "yes" column.

Most people probably put their computer system together over a period of time, even years, of occasional or infrequent purchases. They get a good buy on a computer, pick out a monitor, and then add a printer months later, after the pocketbook has recovered a bit. Software, additional drives, small accessories such as printer stands, copy holders, and the like may follow.

After a few years, what may have started out as a \$1,500 investment, or less, may have grown to over \$3,000. True, the value of that computer has probably dropped as the investment in peripherals and software has grown but for the average user, who looks upon his computer as a tool, not an investment, that argument has little merit.

Not everyone needs a new computer; not everyone can afford to buy a new computer. While prices for new computers are very attractive right now (aren't they always?), that bargain basement

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