

PRICE BUSTERS

*PROUDLY ANNOUNCES
THE EXPANDER™ SERIES
AND OTHER APPLE* II
COMPATIBLE PERIPHERALS*

LARGE RAM BOARDS

RAM BOARDS

INTERFACE BOARDS

COOLING FANS

NUMERIC KEYPADS

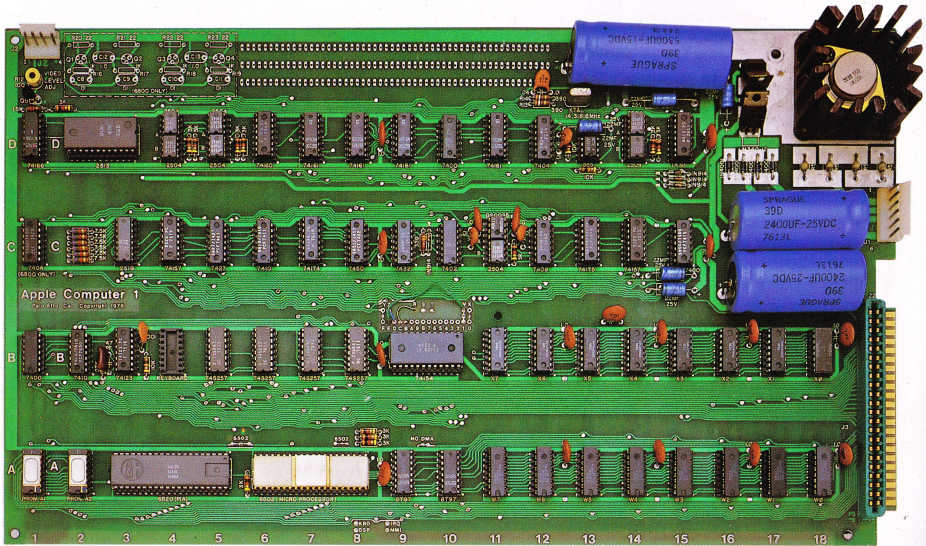
DISK DRIVES

JOYSTICKS

MUCH MORE!

CATALOG NO. 89B

PRICE BUSTERS, FAST DEPENDABLE SERVICE!



In 1978, we purchased the above APPLE 1 COMPUTER. We then began supporting computer owners with good quality low cost peripherals.

These years of service to you, the Apple user, has taught us more about the formation of our business than anything else. The same message comes back to us year after year. You want a quality product that won't drain your bank account at purchase.

Well, we've listened to you. This latest catalog is a collection of Apple compatible peripherals you will be proud to own and use.

Because, here in 1989, while many large & small computer companies have come and gone, PRICE BUSTERS CO. is still supporting Apple users, and we are still dedicated to the same purpose...

EXCELLENT QUALITY PERIPHERALS AT LOW LOW PRICES!!

*** NOTE: Apple II, II+, IIc, IIe, IIgs, Appleworks, & ProDOS are trademarks of Apple Computer, Inc.**

FIRST IN PRODUCTS, PRICES, & POLICY!

OUR PRODUCTS:

All peripheral products sold by Price Busters are new, quality tested, & factory packaged. We are not in the used computer business, and we are not a liquidator for discontinued equipment.

Virtually all of our peripheral boards are designed by our own engineers with years of Apple experience. We have our own contracted bonded factories that must follow strict production specifications, and all peripheral boards are tested on Apple computers just like yours, not simulators.

We stock all peripherals in quantity, as we are a distributor not a store. We ship most orders within 24 hours of receipt, not a week to two weeks after the order arrives. Large orders sometime take an extra day to prepare.

By following years of rigid guidelines, we can assure the quality of our products year after year, fast reliable service, competitive pricing, and most of all, satisfied customers.

OUR PRICES:

If you are use to dealing with high priced computers stores, mail order firms trying to get rich overnight, or large mail order corporations that must satisfy their stock holders, our low pricing may shock you.

PBC has a different concept in marketing that blows the competition away. We have no store glitter overhead, no get rich quick schemes, and no corporate people to satisfy. Furthermore, we have cut out all the high cost middle men between factory and supplier. This allows us to offer you factory direct super low prices.

While we could market our products at much higher prices (or sell like our competitors at what ever the market will bear), we have chosen to set fair down to earth prices on all our products. While this upsets our competition, it allows us a fair profit margin to be in business years from now, and brings back satisfied customers year after year.

OUR MONEY BACK GUARANTEE POLICY:

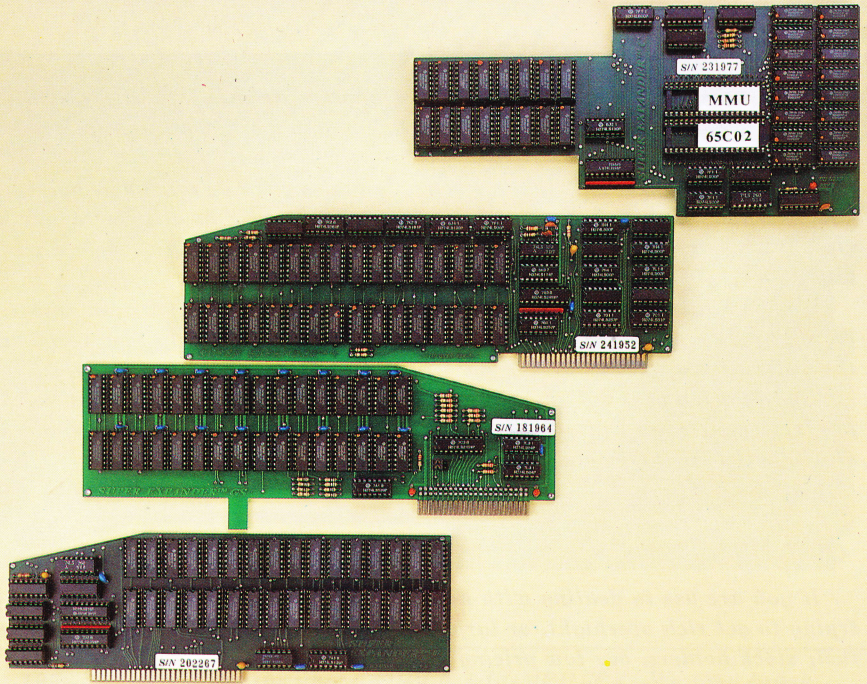
Yes, we started it, but few competitors have followed. Price Busters offers you a money back guarantee on all peripheral products we sell.

When you buy from Price Busters, no lengthy explanation, and no restocking fees are charged on returned merchandise.

If you purchase a product from us, and are dissatisfied for any reason, return the product within ten days of purchase and we will cheerfully refund or exchange the product. Just call for RMA number.

NOTE: Software excluded. Defective software can be exchanged for same software only.

THE SUPER EXPANDER RAM BOARD SERIES



The Super Expander series is a generation ahead in Technology, Design, and Operation. Whether your Apple model is a II+, IIe, IIc, or IIgs, there is a Super Expander RAM board to fit your computer.

As you would expect from the design leaders, the entire Super Expander series is user upgradable to One Full Megabyte on board (no pigbacks required), all use low cost 256Kx1 (41256-15) RAM chips for upgrade, all IC's are socketed (not just the RAM area), and all are free from the use of PAL (Programmable Array Logic) chips.

All Super Expanders are made from the highest quality PC board, have gold plated edge connectors, use high quality sockets, and mil spec components throughout.

Once installed, the Super Expander will release a Super Power of RAM that blows the competition away. While others boast of compatibility here and there, only the Super Expander is fully hardware & software compatible with your Apple Model.

Installation & Operation of all the Super Expander boards is as easy as One, Two, Three, with the extensive documentation supplied with each board. Each Super Expander is also backed by a full five year warranty.

SUPER EXPANDER!

3 THE HIGHEST PERFORMANCE IN RAM POWER!

SUPER EXPANDER E Licensed by APPLIED ENGINEERING for IIe

100% compatible with Apple's Extended 80 Column Card, the Super Expander E fits the auxillary slot of the U.S. & European Apple IIe.

Super sharp 80 column display, software selectable 40/80 columns, Double Hi Res Graphics, RAM expansion, and high speed disk emulation, are just a start for this Super RAM Expander. Start up your Appleworks and the Super Expander E will release a RAM POWER as never seen before, with desktop space to 998K, increased database record storage, and built in RAM-DISK features that accelerates your Appleworks operation & allows instantaneous switching between Appleworks modules.

But that's just a start, because aside from being the worlds greatest Appleworks Amplifier, the Super Expander E also emulates a solid-state disk drive, loading & saving programs over 20 times faster than any conventional drive.

Software included with the Super Expander E provides Appleworks expansion, ProDOS RAM disk drive emulation, RAM check program, and other easy to use RAM board utility programs.

Note: See more information on pages 3 and 6.

<i>0K Order# APE-000SE-2</i>	<i>512K Order# APE-512SE-2</i>
<i>256K Order# APE-256SE-2</i>	<i>1MEG Order# APE-1MGSE-2</i>

SUPER EXPANDER GS

for your IIgs

A 100% replacement for Apple's one meg GS board, the Super Expander GS is fully compatible with all GS hardware & software, and is auto recognized by Appleworks 2.0 & up. You can expand your Appleworks Desktop to 1149K.

Just plug this Super RAM expander into the GS memory slot, and the built in RAM Disk Access capability will make the Super Expander GS act as a solid-state high speed disk drive. No more disk drive waiting, because loading & saving programs with the RAM disk drive is 20 times faster than any conventional disk drive. This means disk access programs under ProDOS, DOS, and other Apple languages, will all run faster.

With the Super Expander GS, you'll be able to release the RAM POWER your IIgs is designed for.

Note: See more information on pages 3 & 6.

<i>0K Order# AGS-000GS-2</i>	<i>512 Order# AGS-512GS-2</i>
<i>256K Order# AGS-256GS-2</i>	<i>1MEG Order# AGS-1MGGS-2</i>

SUPER EXPANDER C

for your IIc

Release a new RAM POWER in your Apple IIc with the ultimate in IIc megabyte boards, the Super Expander C.

This Super IIc RAM expander will enhance your Appleworks with desktop space to 1062K, increased database record storage, and built in RAM-DISK features that accelerate Appleworks operation 10 fold, and allows instantaneous switching between Appleworks modules. No more disk drive waiting!

The Super Expander C also emulates a solid-state high speed disk drive under ProDOS, loading and saving programs 20 times faster than conventional type disk drives.

Software included with the Super Expander C provides Appleworks expansion, ProDOS RAM disk drive emulation, RAM check program, and other easy to use RAM board utility programs.

Note: See more information on pages 3 & 6.

0K Order#APC-000SC-2 512K Order#APC-512SC-2
256K Order#APC-256SC-2 1MEG Order#APC-1MGSC-2

SUPER EXPANDER+

for your II+

Take your Apple II+ where no II+ has gone before with the Super Expander + Not just a RAM board, this RAM Expander is the ultimate in RAM POWER for your II+ computer.

Start up your Appleworks, and the Super Expander + will release enhancements as never seen before, with desktop space to 1014K, increased database record storage, and built in RAM-DISK features that speeds Appleworks operation and allows instantaneous switching between AW modules, no more waiting for the disk drive access.

The Super Expander + will operate in any of the 8 expansion slots of the Apple II, plus if used in slot 0, it will double as a language card, fully compatible with ProDOS, DOS, CP/M, PASCAL, Turbo PASCAL, & other popular Apple languages.

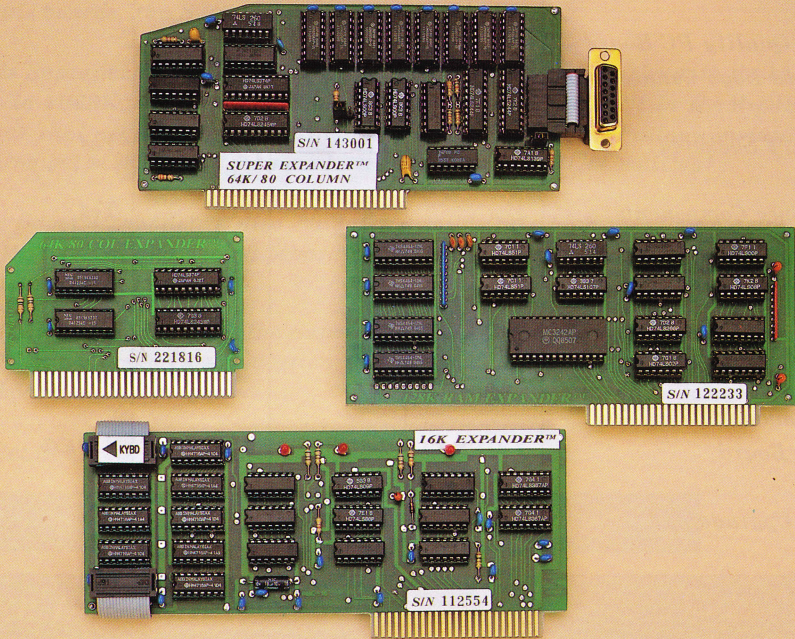
Note: Use w/Appleworks requires 80 columns & shift Key mod, also available from Nexa. See more info on pages 3,6,11, & 18.

0K Order#APX-000SP-2 512K Order#APX-512SP-2
256K Order#APX-256SP-2 1MEG Order#APX-1MGSP-2

CHART OF SUPER EXPANDER PERFORMANCE

	<i>S.E.E</i>	<i>S.E.+</i>	<i>S.E.C</i>	<i>S.E.GS</i>
<i>High Quality PC Board w/ Gold Edge Connector?</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>
<i>All IC's Socketed?</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>
<i>Mil Spec Components?</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>
<i>Software Standard?</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>
<i>Hardware Standard?</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>
<i>Maximum Memory On Main Board</i>	<i>1 MEG</i>	<i>1 MEG</i>	<i>1 MEG</i>	<i>1 MEG</i>
<i>User Upgradable?</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>
<i>Slot Used?</i>	<i>Auxillary</i>	<i>Slot 0-7</i>	<i>Piggyback</i>	<i>GS Memory</i>
<i>Appleworks Version Compatible.</i>	<i>All Versions</i>	<i>All Versions</i>	<i>All Versions</i>	<i>Version 2.0 and up</i>
<i>Autoloads Appleworks?</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>
<i>RAM-DISK Features?</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>GS Controlled</i>
<i>* Desktop Space w/ 256K</i>	<i>236K</i>	<i>246K</i>	<i>300K</i>	<i>381K</i>
<i>* Desktop Space w/ 512K</i>	<i>490K</i>	<i>502K</i>	<i>554K</i>	<i>637K</i>
<i>* Desktop Space w/ 1MEG</i>	<i>998K</i>	<i>1014K</i>	<i>1062K</i>	<i>1149K</i>
<i>Increased Database Record Storage</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>GS Controlled</i>
<i>Complete Documentation Included?</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>
<i>Warranty.</i>	<i>2 Years</i>	<i>2 Years</i>	<i>2 Years</i>	<i>2 Years</i>

THE EXPANDER RAM BOARD SERIES



Since many Apple users do not require a large memory bank for operational use, a smaller set of EXPANDER RAM boards has been created. The Expander RAM boards have the same quality & advanced design as the Super Expander RAM boards, only less memory & more affordable pricing.

As with the Super Expanders, the Expander RAM boards are made of the highest quality PC board, have gold plated edge connectors, all IC's socketed, use no PAL (Programmable Array Logic) chips, include full documentation for operation & installation, and carry the same five full years of warranty.

The Expander RAM board series is fully hardware & software compatible with your Apple model. In addition, the futuristic design of the low power Expanders offer 60% less power consumption than the nearest competitor. This leaves you more power for your other Apple requirements.

**EXPANDER RAM BOARD!
DESIGNED FOR NOW AND THE FUTURE!**

64K/80 COLUMN EXPANDER

for your IIe

A 100% replacement for Apple's extended 80 column card, this RAM Expander does everything other 64K/80 column boards do, but with a 60% power savings to you & your Apple IIe.

Super sharp 80 column display, software selectable 40/80 columns, RAM expansion to 128K, double high-res graphic capability, automatic Appleworks expansion to 55K, & ProDOS drive emulation, are all built into the 64K/80 Column Expander.

Only the 64K/80 Column Expander is compatible with all Apple IIe hardware and software, yet offers low power consumption at the same time.

Order # APE-X6480-2

None Low Power # APE-X6480-1

SUPER 64K/80 COLUMN EXPANDER w/ RGB

for your IIe

The Super 64K/80 Column Expander w/ RGB has all the built in features of a 64K/80 column board, plus two added features. 1) RAM expansion to 256k and 2) RGB interfacing that lets the brilliance of color come to life with your Apple IIe.

The sharp RGB color is designed to Apple RGB specifications, thus offering full compatibility with IIe color software & IIe RGB monitors. In addition, you'll find the 80 column RGB text so enhanced, it blows color composite monitor text away.

Whether you need extra memory, 80 columns, RGB, or any combination on your IIe, only the Super 64K/80 Column Expander offers it all on the same board.

64K no RGB APE-SX064-2, 64K w/RGB APE-SR064-3, 256K no RGB APE-SX256-2
256K w/RGB APE-SR256-3, RGB option APX-RGBXX-1, 256K RAM SET APX-256KR-1

16K RAM EXPANDER

for your II+

Unlike Apple Computer & other Apple suppliers that have discontinued 16K RAM board sales, Nexo offers the 16K RAM Expander to increase memory of your Apple II or II+ (or ACE 100) from 48K to 64K.

100% software compatible with Apple's language card, this RAM Expander allows instantaneous switching between Apple INTEGER & APPLESOFT languages, plus complete compatibility with ProDOS, CP/M, PASCAL, Turbo PASCAL, & other popular Apple languages.

Order # APX-16KBD-2

128K RAM EXPANDER

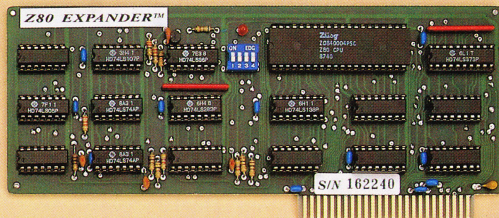
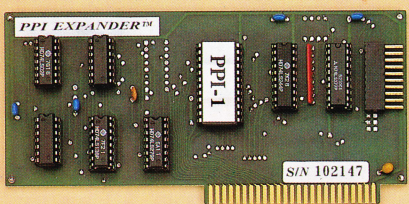
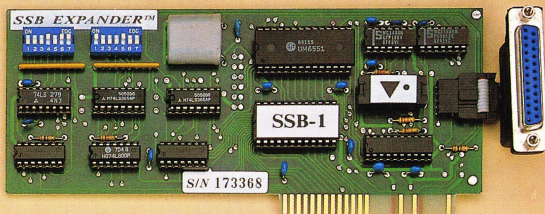
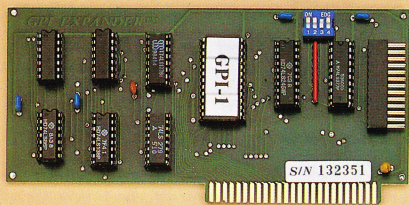
for your II+

Expand your Apple II or II+ (or Franklin ACE) up to 192K with this new 128K RAM Expander. It does everything the other II+ 128K RAM boards do, yet offers a 60% power savings to you and your Apple computer.

The Saturn (Titan) compatible 128K RAM Expander operates in any of the eight Apple expansion slots, plus doubles as a language card if used in slot 0. Combine the 128K RAM Expander with PLUSWORKS-2 software (see page 18), and expand Appleworks desktop to 136K on your Apple II+ or Franklin Ace computer.

Apple II/II+, Ace 100 (Low power version) Order # APX-128KB-2
Ace 1000-1200 (No low power version) Order # APX-128KA-1

THE EXPANDER INTERFACE BOARD SERIES



No collection of peripheral boards would be complete without interface boards that connect your Apple to the outside world. The Expander Interface Series is designed just for that purpose.

The Expander Interfaces operate in all open Apple II model computers including the II+, IIe, & IIgs. In addition, virtually all the Expanders are fully compatible with the Franklin Ace 1000 series and the Lazer 128 computer.

Whether you want plotting with your printer, mass information from your modem, or just simple 80 columns on your II+, there's an Expander Interface designed to fit your needs. There is even a Z80 Expander for the CP/M users.

As with the other Expander series boards, the Expander Interface Series are built with the highest quality PC board, have gold plated edge connectors, all IC's socketed, and use no PAL (Programmable Array Logic) chips.

Complete documentation for installation & operation is included with all the Expander Interfaces, and all are backed by a five year warranty.

THE EXPANDER INTERFACE SERIES!

CONNECTS YOUR APPLE TO THE OUTSIDE WORLD!

SUPER SERIAL EXPANDER

for your II+ / IIe / IIGs

A 100% replacement for Apple's Super Serial Card, this versatile Serial RS-232 board can be used for all your communication and terminal interface needs.

Crystal controlled state of the art circuitry provides super accurate baud rate selections of 50 to 19,200 baud, with manual or software override. Stop & Data Bit selections, Parity, & Xon/Xoff are just a few of the many hand shaking capabilities of the Super Serial Expander.

In the terminal mode, this Serial Expander is compatible with virtually all dot matrix & letter quality serial printers, and in the communication mode, the Serial Expander communicates with all external modems at lightning speed.

Order # APE-SSEXP-2

GRAPHIC PARALLEL EXPANDER w/ Cable for your II+ / IIe / IIGs

The Graphic Parallel Interface Expander (GPI) is the hottest new interface for your Apple computer. While most graphic parallel boards can dump only graphic screens, the GPI Expander will print both Text & Graphic screens.

Compatible with Epson, Okidata, Panasonic, NEC, & all other centronics type graphic printers, the GPI Expander is supplied with a six foot interface cable. (most companies sell the cable extra or supply a short 3 footer)

On board ROM control allows a versatility of graphic commands including Normal & Inverse print, Enhanced print, Double Size print, & 90 Degree Rotated print. In the text mode, the GPI Expander allows full use of your printer modes plus adds the feature of text screen print from any line you command.

Order # APX-GPEXP-2

PARALLEL PRINTER EXPANDER w/ Cable for your II+ / IIe / IIGs

The Parallel Printer Interface Expander (PPI) is the perfect match for your letter quality parallel printer and other parallel applications where graphics is not required.

The PPI Expander has the same text screen print capability as the GPI Expander and can print from any text line commanded.

Supplied with each PPI Expander is a four foot interface cable that connects to any standard centronics printer connector.

Order # APX-PPEXP-2

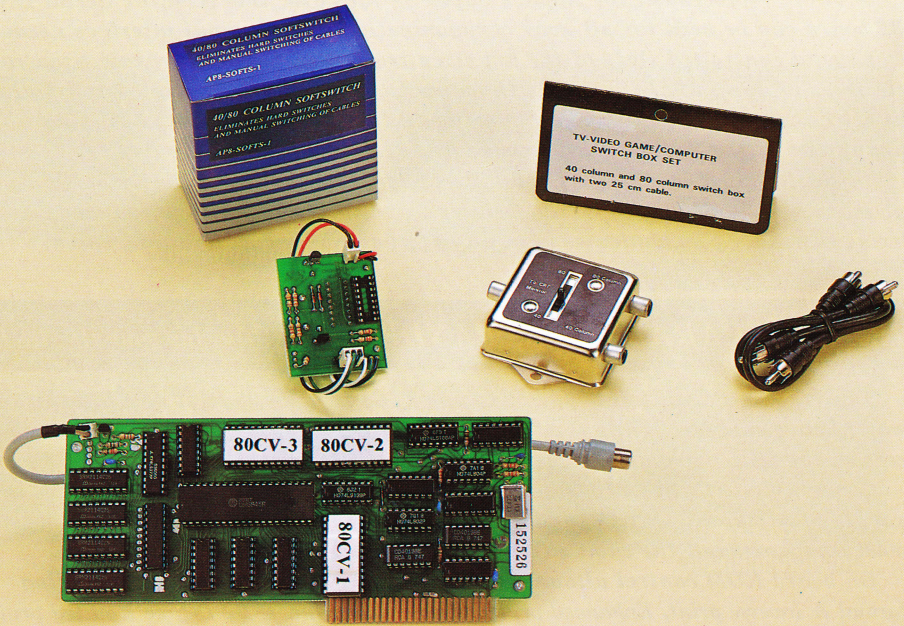
Z80 EXPANDER

for your II+ / IIe / IIGs

Enter the CP/M world thru your Apple with the new Microsoft compatible Z80 Expander, The only CP/M Expander that supports 48K & 64K operation, as well as 40 & 80 column Apple II computers.

With the Z80 Expander you can run dBASE, Wordstar, Turbo PASCAL, FORTRAN, the Peachtree series, and any other microsoft CP/M compatible software. Just plug your diskette in, and the Z80 Expander will automatically transform your Apple into a CP/M based computer.

Order # APX-Z80EX-2



The 80 Column Expander provides sharp 80 column text by 24 lines for your Apple II, II+, or Franklin Ace, computer.

Fully Videx Videoterm compatible, the 80 Column Expander will give you normal & inverse display, full ASCII support, upper & lowercase generation (with true descenders), high speed scroll rate, shift Key mod support, and a 7x9 character matrix that is truly easy on your eyes.

Compatibility is not just an idle word like others use for their 80 column boards. the 80 Column Expander works with all 80 column applications including Appleworks, CP/M, dBASE, Easywriter, Format II, Letter perfect, Magic Window II, PASCAL, Supertext 80, Turbo Pascal, & even Zardax. Any 80 column program that can use the Videx board can use the 80 Column Expander.

Inexpensive switching devices are also available for the 80 Column Expander to easily switch between 40 & 80 column modes. The 40/80 column Hardswitch allows manual switching, while the Softswitch provides the same function through Keyboard control.

80 Column Expander	Order # APX-80CEX-2
40/80 Column Hardswitch	Order # AP8-HARDS-1
40/80 Column Softswitch	Order # AP8-SOFTS-1



This 5 1/4" slimline disk drive is fully compatible with all Apple software including DOS 3.2, DOS 3.3, ProDOS, CP/M, and PASCAL. The drive can be used as a direct replacement for your primary drive, or as an add on secondary drive.

The built in direct drive mechanism offers super quiet operation with reliable data transfer you can trust. An internal speed adjustment is also built in to offer more accurate tracking.

Two models of the disk drive are offered for compatibility with all Apple II models. The X-0 model has a standard 20 pin connector that can attach to any disk controller board while the C-1 model has a DB-19 connector that can attach to the rear of the UNI-DISK, Apple IIc, or Apple IIgs.

For those needing a controller board, the DISK CONTROLLER BOARD is a 100% replacement for Apple's Disk II Card, capable of controlling any 2 Apple type disk drives, and 100% compatible with all Apple software.

Both the Disk Controller and the Disk Drive carry a TWO YEAR WARRANTY.

For II+, IIe, Franklin Ace	Order # APX-DDHHX-0
For IIc, IIgs, Uni-Disk	Order # APX-DDHHC-1
Disk Controller Board	Order # APX-DKCBD-1

COOLING FANS & NUMERIC KEYPADS



KEYPAD II

for your IIe/IIc

Let's face it, the Apple II is a great computer with super calculation speed & ability, but using the Apple for its calculator power or simple number entry can be pretty cumbersome. The versatile KEYPAD II can change that for your Apple IIe or IIc.

With the Keypad II, numeric data entry is as simple as a calculator. Positive, negative, and even decimal placed numbers can be easily entered. The added mathematic Keys allow simple to complex addition, subtraction, multiplication, or division, and the Keypad II also has its own RETURN (ENTER) Key.

The Keypad II is simple to install, easy to use, and comes with a two year warranty. You'll also appreciate the extra long cable built into the Keypad II to allow numeric data entry from either the left or right hand side of the computer.

THE KEYPAD II IS THE CHOICE OF THE PROFESSIONALS!

For IIe Order # APE-KYPDE-2
For IIc Order # APC-KYPDC-2

SUPERFAN II

for your II+ / IIe

Now you can give your Apple super cooling power, protection, and system convenience all in one peripheral, the quiet SuperFan II.

In any Apple computer, poor ventilation causes heat build up internally. Added peripheral boards not only generate more heat, but also block natural air flow through the computer housing. These conditions potentially shorten the life of your Apple.

The cooling power of the SuperFan II eliminates this problem by cooling all internal parts including the motherboard, power supply, keyboard, and added peripheral boards. The SuperFan II really Keeps your Apple cool.

But that's just a start, because the SuperFan II also adds protection to your Apple. Whether you know it or not, line power surges & spikes can cause grave costly damage to your computer circuitry. Line noise can also be interpreted as data by your Apple. In fact, over 70% of micro malfunctions are caused by defective supplied power. The Superfan II eliminates these problems with its built in line noise filters, surge suppressor, and spike clipper, adding full line power protection to your whole Apple system.

Finally, the SuperFan II adds convenience to your Apple by providing twin rear 3-prong outlets for your printer & monitor, replacement for your Apple chord, and a front mounted power switch that controls power to your computer & the rear outlets at the same time. You can control your complete computer system with the SuperFan II.

Whether your looking for cooling power, system protection, or organizing your power needs, you get ALL THREE with the SuperFan II!

Order # APX-SFAN2-2

GS SUPER COOLER

for your IIgs

Protect your GS warranty with the new GS Super Cooler. The quiet cooling fan that really keeps your IIgs cool.

As you probably already know, after your Apple IIgs has been on for awhile, it gets pretty toasty inside. This is due to poor air circulation and natural build up from heat of internal parts. Added peripheral boards only add to the heat problem, & further block air circulation. The internally mounted GS Super Cooler blows a breath of fresh air across the motherboard, forcing the heat out the ventilation slots of the housing, thus cooling the whole Apple IIgs.

Other cooling fans cool the computer, but add the problem of noise on your audio line, or draw too much power from your power supply. Still others are so noisy they distract your concentration.

Not so with the GS Super Cooler, because only the GS Super Cooler draws less than .18 amps for operation, causes NO audio line interference, and operates so quietly, you forget it's there!

Order # AGS-GSFAN-1

JOYSTICKS & ACCESSORIES



EXTERNAL PORT

for your II+ / IIe / IIgs

Eliminate opening and closing your computer for connecting and disconnecting game peripherals, with the External port.

This device extends the internal 16 pin game port of the II+, IIe, and IIgs outside the computer.

Order# APX-EXTPT-1

QUADPORT

for your II+ / IIe / IIgs

The Quadport does the same job as the above External port by extending the 16 pin gameport to the outside, plus multiplies your gameport power by four. That's right. with the Quadport, you can have FOUR GAMEPORTS instead of just one.

Joysticks, Game Paddles, Writing Tablets, and virtually all other 16 pin game port peripherals all work with the Quadport. The Quadport also eliminates the wear & tear on your peripheral connectors because they can all be plugged in at the same time. With the Quadport, you can select your favorite gameport peripheral with just the flip of a switch.

Order# APX-QUADP-1

JOYSTICK III

for your II+ / IIe / IIc / IIgs / IBM

The ultimate in quality joysticks, the Joystick III is designed for long lasting performance for your Apple II or IBM series computer. One joystick fits all models, because all adapter cables are included free.

Similar to the MACH III (by CH), the Joystick III has a large fire button on the stick, trimmer CRT center adjustments, and very heavy duty construction that will give you years of entertainment with your computer.

But that's not all, because the Joystick III also has a switching mechanism to allow Self Centering or Non-Self Centering stick modes. In the Self Centering mode, the spring action will return the stick to absolute zero. Switch to the Non-Self Centering mode, and the stick is free floating for more detailed accurate user action.

Note: The suggested retail of the Joystick III is double plus what PBC offers this product to you. Many competitors sell a similar product at a higher price, or they don't include the attachment cables. Only PBC offers the complete featured Joystick III with all adapter cables included.

Order # APX-JSIII-0

STANDARD JOYSTICK

for your II+ / IIe / IIc / IIgs

This durable Standard Joystick offers the most features for its affordable pricing.

CRT accurate centering adjustments allow X & Y axis centering, and an added feature normally only found in high priced joystick models is the dual stick mode for Self Centering & Non-Self Centering stick action (see more info above).

Two models of the Standard Joystick are offered. The 101 model has a 16 pin connector to attach inside the II+, IIe, & IIgs gameport socket. The 201 model has a DB-9 connector that attaches to the rear of the IIc, IIe, & IIgs gameport jack.

Internal Mount Order # APX-JS101-1

External Mount Order # APX-JS201-1

ADAPTER CABLES

For all Models

The Adapter Cables, offered in two models, adapt gameport peripherals from internal to external or vice versa.

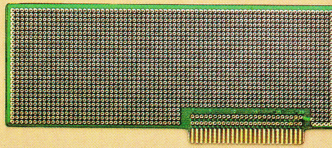
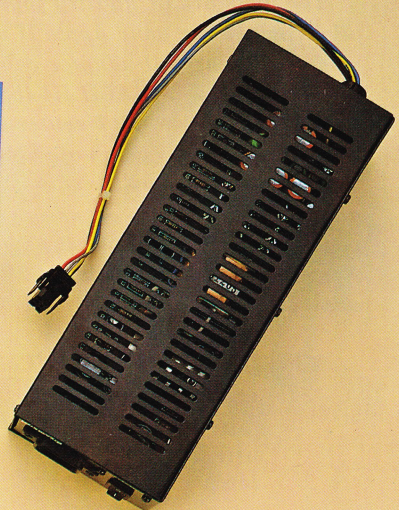
Model A takes your peripheral 16 pin male connector and adapts it to a DB-9 for external mount.

Model B take your peripheral DB-9 male connector and adapts it to a 16 pin male for internal mount.

Model A Order # APC-ADACA-A

Model B Order # APC-ADACB-B

OTHER ACCESSORIES



5 AMP POWER SUPPLY

for your II+ / IIe

With so many add-on peripherals available for the Apple II today, it's not hard to overload the 2.5 Amp rated power supply of your II+ or IIe computer. The computer motherboard alone draws half that power and each added peripheral board normally draws from .2 to .5 amps each.

The heavy duty 5 AMP Power Supply will solve your power problems by giving you DOUBLE the amperage of your present supply. This power supply comes with a standard Apple connector, it's own detachable AC cable, and is an easy drop in replacement for the stock Apple power supply.

Order# APX-POWER-2

LOWER CASE ADAPTER

Rev 7 & Up II+

A direct replacement for your present character generator, this device will allow you to see both upper & lower case characters on the screen.

Great for incoming modem chatter being generated by Non-Apple computers.

Order# APX-LCA02-1

PLUSWORKS-2 SOFTWARE

for your II+

Now you can run Appleworks on your Apple II+ or Franklin Ace series with the versatile Plusworks-2 from Norwich Data Services.

The Plusworks-2 package will use virtually any 80 column board available, and can be used with as little as 64K of memory. Plus, the Plusworks-2 will see & use almost any memory board available to 1 megabyte of Appleworks power.

Not a pre-boot like others, the Plusworks-2 package will configure any Appleworks version 1.1 thru 2.0 diskettes. Once configured, just boot Appleworks like everyone does, and Appleworks will see & use your II+ or Ace system just like it does on the IIe, IIc & IIgs.

Order# APS-PSWK-2

SHIFT-KEY MOD

for your II+

Recommended for II+ Appleworks users, the Shift Key Modification easily installs to give the upper & lower shift capability for Appleworks and other programs capable of detecting the shift key.

Order# APX-SHKYM-1

MINI VACCU CLEANER

for all computers

This miniature hand held vacuum cleaner has four interchangeable detachments, is bi-directional in operation, and uses standard low cost AA batteries for operation.

Great for cleaning Keyboards, inside printers, cameras, and other hard to get at or delicate places

Order# APX-VACUM-1

DISK NOTCHER

for all computers

Don't be fooled by the price on this one, this Disk Notcher has a tapered square cutter that allows Easy Hand Held use.

Unlike other notchers that nibble or punch, with the Disk Notcher you just slide & cut a diskette easily for use on both sides.

Order# APX-DKNTR-1

PROTOTYPE BOARD

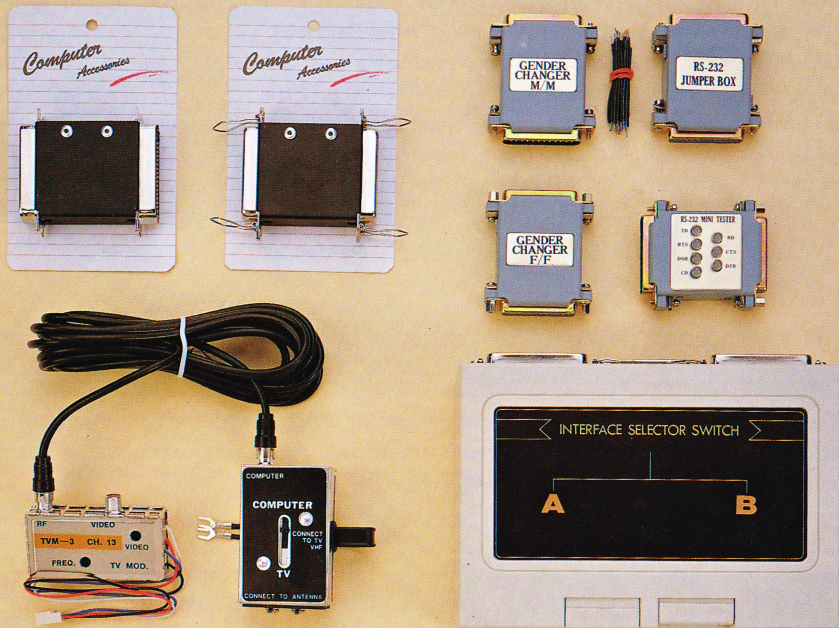
for your II+ / IIe / IIgs

Great for electronic projects, this Prototype Board fits any of the 50 pin expansion slots of the II+, IIe, or IIgs computers.

Made from high quality PC board (about the size of a standard 80 column board) the prototype Board has a gold edge connector & double sided plated thru holes.

Order# APX-PROTO-1

OTHER ACCESSORIES



A/B DATA SWITCHBOX

all computers

The A/B Data Switchbox offers reliable data transfer for RS-232 (Serial) or Centronics Standard (Parallel) applications.

Whether you want to use one computer with two different peripherals, or two computers with one peripheral, the Data Switchbox is an easy affordable way to handle the job without connecting & disconnecting cables.

The A/B Data Switchbox has solid-state internal construction that switches ALL 25 lines for serial or ALL 36 lines for parallel.

Note: Rear connectors on all A/B Data Switchboxes are FEMALE connectors.

Centronics (parallel) Order # APC-ABCEN-1

RS-232 (Serial) Order # APC-AB232-1

TV MODULATOR

for your Apple II+ / IIe

The TV modulator allows connection of the Apple II+ and IIe to any standard television. Since color TV's are much lower in cost than color monitors, you can use this unique adapter for adding low cost color to Apple games & other Apple programs.

The TV modulator comes with all adapter cables & connectors, easy installation instructions, and works on channel 13.

Order # APX-TVMOD-2

EASY ORDER FORM (See order info on reverse side) C89B

NAME _____

ADDRESS _____

CITY _____

STATE _____ **ZIP** _____

METHOD OF PAYMENT: **CHECK** **MASTERCARD** **VISA** **COD**

CREDIT CARD NUMBER _____

EXPIRATION _____ **SIGNATURE** _____

ORDER #	QTY	x UNIT PRICE	= TOTAL PRICE

SUBTOTAL - _____

Calif Residents ADD 7% - _____

SHIPPING : _____

TOTAL : _____

ORDERING INFORMATION

1. *Shipping (includes insurance) is extra on ALL ORDERS. Minimum Shipping:*
 - a. *Continental U.S. \$3.00*
 - b. *Alaska, Hawaii, Guam \$4.00*
 - c. *Canada \$5.00*
 - d. *Outside U.S. \$10.00*
2. *All U.S. orders are shipped UPS Ground unless specified. All others are shipped Parcel post.*
3. *COD orders are okay, a \$2.75 COD charge will be added to the total.*
4. *Orders Outside the U.S. must be prepaid in funds drawn on a U. S. bank.*
5. *VISA & MASTERCARD accepted (no extra fee). We don't charge your account until we ship your order.*
6. *School, School District, University, & all Government Purchase Orders are WELCOME. ALL P.O. 's must be written. No phone P.O. 's will be accepted. P.O. Terms: 2% 10/Net 30*
7. *All orders are processed from our stock within 48 hours of receipt (most are processed within 24 hours). If an item has to be back ordered, an estimate shipping date will be given for the back ordered item.*
8. *A 10 day return privilege is offered on all hardware (Software is replaceable for same software only).*
9. *A FIVE YEAR warranty on PC Boards, and a TWO YEAR warranty on all other products, covering parts & labor, is given on all our products.*

PRICE BUSTERS

4233 SPRING ST. STE. 402

LA MESA, CALIF. 92041

(619) 589-0081 (FAX-619-698-2928)

Hours: 10am-6pm Mon-Fri

RS-232 DEVICES

The RS-232 devices allow easy configuration in the serial world. Each RS-232 device has it's own internal PC board, and all mounting hardware is included.

The Gender Changers quickly convert your male connector to female, or your female connector to male. (Male & female are sometimes called Blue & Pink). All 25 lines are converted.

You can customize your serial interfaces with the RS-232 Jumper Box, which connects IN-LINE and includes its own 24AWG stripped jumper wires.

Easy testing of your serial line can be done with the In-Line RS-232 Data Tester. Dual color LED's have been placed on the most common RS-232 lines, TD, RD, RTS, CTS, DSR, CD, & DTR .

RS-232 Gender Changer Male/Male	Order# APC-GCXMM-1
RS-232 Gender Changer Female/Female	Order# APC-GCXFF-1
RS-232 Jumper Box w/wires	Order# APC-232JB-1
RS-232 Data Tester	Order# APC-232DT-1

CENTRONICS DEVICES

Two Centronics Parallel Gender Changers are available from Nexo to convert your male connector to female, or your female connector to male. All 36 lines are converted.

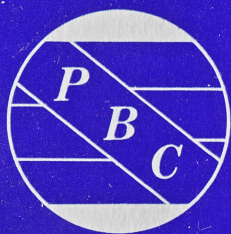
Gender Changer Male/Male	Order# APC-CGCMM-2
Gender Changer Female/Female	Order# APC-CGCFF-2

10 FT EXTENTION CABLES

The Serial RS-232 & Parallel CENTRONICS Extention Cables are built for heavy durable use.

All lines are extended in these 10 FOOT cables, and all are built with male connectors at each end.

Serial RS-232	Order# APC-SECMM-1
Parallel Centronics	Order# APC-PACMM-1



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