Commodore 64

Hardware/Software

Commodore 64 Introduces

The "All Purpose" Commodore 64 is the complete computer for education, home or small business applications. Supported by quality peripherals and a full range of software, the Commodore 64 is perfect for the family. No other computer can offer such variety of uses and applications at such an affordable price.
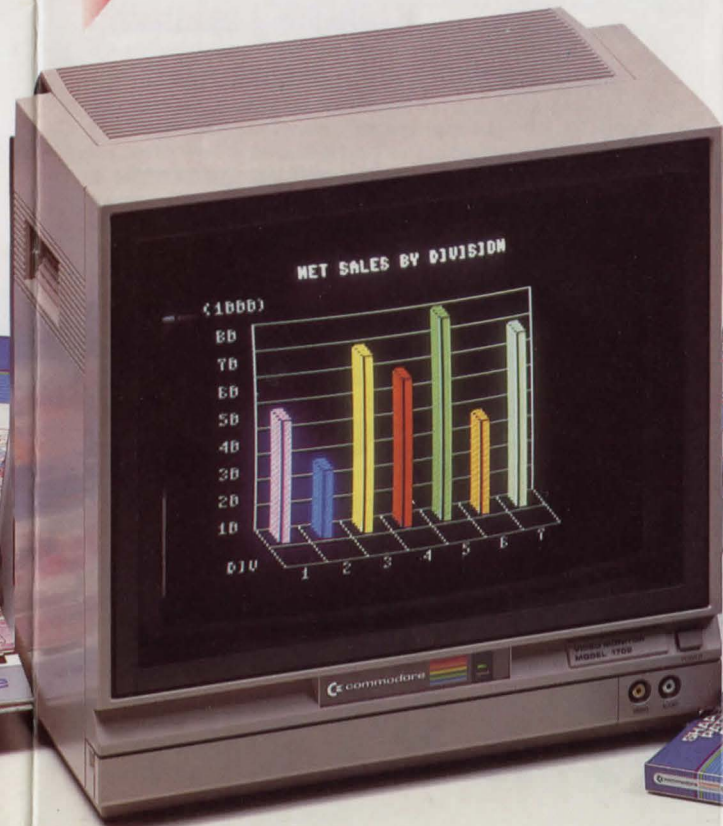
Compare the features and it becomes obvious why Commodore sells more computers than Apple & IBM combined. With the Commodore 64... It's not how much you pay... It's how much you get!

C-1702 Monitor

The new Commodore 1702 color monitor gives you a superior color picture that enhances your computing experience. This monitor is simple to hookup to your computer and is easy to adjust.

C-1541 Disk Drive

The 1541 Disk Drive is an external 5¼ inch floppy diskette recorder and player, offering high-speed and capacity for programs and data. It is an intelligent device, containing its own microprocessor, RAM, ROM, and operating systems software for faster speed of through-put and memory efficiency in the computer.

Commodore 64

The Commodore 64 is a full powered micro-computer system suited for business, home and educational use. All interface capabilities are built-in to allow system growth easily and inexpensively.

MPS 801

The MPS is a high quality, dot matrix printer compatible with the Commodore 64, Plus/4 and VIC-20. Capabilities include upper and lower case letters, graphics printing and a 50 character per second speed. The MPS 801, an affordable dot matrix printer to complete your Commodore computer system.

Productivity Software

■ **MICRO COOKBOOK** Computer age solution to menu planning. Manage your recipes fast and easy. No computer experience needed! **(Diskette)**

■ **EASY SCRIPT 64** Our best wordprocessor. Displays 764 lines by 40 characters. Prints more than 130 columns. Global/local search/replace/hunt/find. Super/subscripts. Insert/delete characters, lines, sentences, paragraphs… much more. Works with EASY SPELL 64. **(Diskette)**

■ **EASY SPELL 64** Don't misspell it… EASY SPELL IT… with this automatic spelling checker. Includes 20,000 word Master Dictionary… plus… your own 10,000 word vocabulary. Works with/requires EASY SCRIPT 64. **(Diskette)**

■ **EASY CALC 64** Electronic spreadsheet on convenient plug-in cartridge. Color bar graph feature. Displays or prints up to 254 rows by 63 columns. Calculates and edits entries automatically. Includes color cell capability. A "must" for budgeting, forecasting and calculation. **(Cartridge)**

■ **THE MANAGER: YOUR DATA BASE MANAGER** Flexible, multi-purpose database manager lets you design your own computerized reports and files for home or business. Address files, mailing lists, project status, investments… 4 built-in applications, or design your own. Powerful arithmetic capabilities. **(Diskette)**

■ **EASY MAIL 64** Easy to use mailing list program. Use with Commodore printer to create address labels and lists for home or business purposes. Club mailings, membership lists, Christmas lists, direct mail uses. More. **(Diskette)**

■ **WORD/NAME MACHINE** Beginner's word processor. Easy-to-follow menus guide you through program operation. Form letters made easy with name and address keeper. Telephone directory print. **(Diskette)**

■ **B/GRAPH: BUSINESS GRAPHICS** Professional graphics-charting and statistical analysis program makes it easy to create numerous types of graphs and charts, as well as providing statistical and analytical tools for evaluating data. Not only valuable, but easy to learn too. **(Diskette)**

■ **SILENT BUTLER: YOUR HOME BOOKKEEPER** You don't have to be rich to have a butler. With this new home accounting program you can keep track of bill paying, household transactions, reconcile accounts with up to 6 separate accounts— 3 checking and 3 saving. Also included is a tax summary and appointment reminder. **(Diskette)**

■ **EASYCOMM 64** A sophisticated terminal program for the Commodore 64 which has uploading/downloading capabilities, a large RAM buffer and can be interfaced with a printer and/or disk drive. This is an excellent smart telecommunications product for the professional who wants the latest in advanced telecommunications features. **(Diskette)**

Financial Software

■ **EASY FINANCE I—LOAN/MORTGAGE** Computerize your loan and mortgage calculations with 12 loan functions including amortization, mortgage comparison, Rule of 78's interest, property investment cost analysis. Bar graph feature. **(Diskette)**

■ **EASY FINANCE II—BASIC INVESTING** Calculate investment alternatives and current values of stock/bonds/annuities. 16 investment functions. Net Present Values, Future Values. Bar graph feature. **(Diskette)**

■ **EASY FINANCE III—ADVANCED INVESTING** Calculate weighted cost of capital, accrued interest on bonds, financial management rate of return, present value of a tax deduction. 16 Functions. Bar graph feature. **(Diskette)**

■ **EASY FINANCE IV—BUSINESS MANAGEMENT** 21 Business calculation functions: Lease/Purchase Analysis, Breakeven Analysis, Salvage Value, Optimal Order Quantities, Depreciation Rate. Much more. Bar graph feature. **(Diskette)**

■ **EASY FINANCE V—STATISTICS AND FORECASTING** Assess present/future sales trends and other business parameters with 9 statistical and forecasting functions. Includes moving average forecasting and regression analysis forecasting. **(Diskette)**

■ **FINANCIAL ADVISOR** Designed for the High School or College finance student or the Loan Officer at the local bank. Computes loans/investments/stocks/bonds with amazing speed and accuracy. Variable compounding and transaction periods. 100 "memories" to save intermediate calculations. **(Cartridge)**

Business Software

■ **GENERAL LEDGER** 8 general ledger options. 1500 transactions. 150 chart-of-accounts. Posting to G/L. Integrates with other accounting modules. Custom income statement, trial balances, full reports. **(Diskette)**

■ **ACCOUNTS RECEIVABLE/BILLING** 11 billing functions. 150 invoices. 75 customers. 40 transactions/disk. Billing, credit, aged receivables. Printed statements. Integrates with General Ledger. **(Diskette)**

■ **ACCOUNTS PAYABLE/CHECKWRITING** Combines tracking of vendor payables with integrated checkwriting system. 50 Vendors, 150 Invoices, 40 Transactions/Disk. Integrates with General Ledger. **(Diskette)**

■ **PAYROLL** For businesses with 50 employees or less. 24 different payroll functions. Payroll checks include federal/ state/other deductions. Integrates with General Ledger. Prints W2's and 941's. **(Diskette)**

■ **INVENTORY MANAGEMENT** Computerized tracking of 1000 inventory items. Stock receipts/issues/orders/adjustments with printed reports. Calculates use/reorders/economic order quantities/cost averaging and more. For all types of inventories including personal collections and insurance lists. **(Diskette)**

■ **MAGIC DESK I—TYPE & FILE** Now you can type, file and edit personal letters and papers—without learning any special commands! All MAGIC DESK commands are PICTURES. Just move the animated hand to the feature you want to use (like the TYPEWRITER) and you're ready to go. **(Cartridge)**

Programming Aids

■ **ASSEMBLER 64** For experienced Assembly language programmers. Create, assemble, load and execute 6500 series Assembly language code. Macro assembler. Two machine language monitors. Editor and loaders. Support routines. **(Diskette)**

■ **SIMON'S BASIC** Expands Commodore BASIC with 114 commands such as RENUMBER and TRACE, plus graphics commands. Advanced programmers and novices love it! A must for the serious Commodore user. **(Cartridge)**

■ **SUPER EXPANDER 64** Easy graphics and music. Draw points, lines, arcs, circles, ellipses, polygons. Create more sprites. Easy music programming. Combine text and graphics. Adds 21 special commands to BASIC. **(Cartridge)**

■ **FORTH** A powerful version of the popular FORTH language. Conforms to FORTH-79 Standard with double precision extensions. Supports string handling and many other enhancements that take advantage of the power of the Commodore 64. **(Diskette)**

■ **PETSPEED: BASIC COMPILER** An easy-to-use BASIC compiler. Greatly increases the speed of your Commodore BASIC programs. **(Diskette)**

Educational Programs

■ **INTRO TO BASIC/1** Contains a disk which includes 17 programs, a 150 page manual and a template for drawing

vare for your mputing needs.

flowcharts. This program is an instructional guide that teaches the fundamentals of programming in BASIC while assuming that the user has no previous knowledge of programming. **(Cassette)**

■ **ZORTEK & THE MICROCHIPS** (Ages 6 to 12) A fun way to teach young people how to program in BASIC. Help Zortek teach the Microchips to program the computer before the Zitrons attack. **(Cassette)**

■ **PILOT** (12 and up) A special language that helps "nonprogrammers" design computerized quizzes and drills. For teachers, parents, and students. **(Diskette)**

■ **LOGO** (Ages 6 and up) We believe this version of Terrapin LOGO is the best, most powerful version of LOGO on any home computer. Includes sprite graphics, sound commands, turtle graphics. 400-page tutorial included. **(Diskette)**

■ **CHOPPER MATH** (Ages 7 and up) Practice basic math skills. Get the right answer and land the helicopter on its landing pad before it crashes. **(Diskette)**

■ **TYPE RIGHT** (Ages 12 and up) No more hunting and pecking! Learn how to type on your computer with 17 lessons and 4 games. **(Diskette)**

■ **EASY MATCH/EASY COUNT** (Ages 4 to 6) (Kinder Koncepts) Practice in identifying shapes and letters and counting objects—important pre-reading and pre-math skills. **(Diskette)**

■ **WHAT'S NEXT/LETTERS OR NUMBERS** (Ages 4 to 6) (Kinder Koncepts) Practice in identifying correct sequences of numbers and letters. **(Diskette)**

■ **LETTER SEQUENCES/THE LONG OR SHORT OF IT** (Ages 4 to 6) (Kinder Koncepts) Practice in identifying letter sequences and in recognizing which shape is longest or shortest. **(Diskette)**

■ **A LETTER MATCH/MORE OR LESS** (Ages 4 to 6) (Kinder Koncepts) Upper and lower case letters, more or less relationships, and matching numbers. **(Diskette)**

■ **SHAPES AND PATTERNS/GROUP IT** (Ages 4 to 6) (Kinder Koncepts) Brightly colored shapes and sounds give practice in identifying shapes and patterns, grouping and regrouping. Excellent pre-reading and pre-math development drills. **(Diskette)**

■ **A BEE C'S** (Ages 3-6) Features the Commodore Bee who guides your child in learning the alphabet and playing games that reinforce this skill. Excellent tool for young children. IT TALKS! (with Magic Voice). **(Cartridge)**

■ **VISIBLE SOLAR SYSTEM** (Ages 7 and up) Authentic, astronomer-tested journey through the solar system. Tour the planets Earth, Mars, Jupiter and Saturn as well as asteroids, comets and meteors. Planet fun for space buffs! **(Cartridge)**

■ **NUMBER NABBER/SHAPE GRABBER** (Ages 6-12) Two learning games in one. Builds arithmetic and shape identity skills. Lively music and sound effects make this a favorite. **(Cartridge)**

■ **EASY LESSON/EASY QUIZ** (Teachers) Create your own lessons and quizzes using the power of the computer. **(Diskette)**

■ **MATH FACTS** (Ages 5 to 10) (Micro School) Gives practice in basic math facts ($+, -, \times, \div$). Several levels (easy to hard). **(Diskette)**

■ **FRENZY/FLIP FLOP** (Ages 6 to 14) (Milliken EduFun) **FRENZY** (subtraction and division) the hungry gator arrives... save the fish... play the BONUS game... the more you save... the more you play! **FLIP FLOP** (transformational geometry) look at the two figures... do they need to flip, turn, or slide?... stand on your head... lie on your side... you'll flip over this game! **(Diskette)**

■ **GOLF CLASSIC/COMPUBAR** (Ages 10 to 14) (Milliken EduFun) **GOLF CLASSIC** (angle and length estimation) fore! Play the angles. Choose distances. Multiple players. Sports fun!. **COMPUBAR** (read graphs, construct arithmetic expressions) add this bar... subtract that one... did you read them correctly? **(Diskette)**

■ **GULP!/ARROW GRAPHICS** (Ages 6 to 12) (Milliken EduFun) **GULP!** (addition and multiplication drill) the race is on... add... multiply... faster, faster... don't get caught... watch out for those jaws! **ARROW GRAPHICS** (problem solving and directionality) follow the traveling arrow... where did it go?... left or right how many steps? **(Diskette)**

■ **ALIEN COUNTER/FACE FLASH** (Ages 4 to 9) (Milliken EduFun) **ALIEN COUNTER** (counting) Flying saucers... numbers in the sky... aliens landing on Earth... another perfect encounter? **FACE FLASH** (counting, visual memory, and base ten) ready, set, go... now you see them... count fast... they're gone! How many? **(Diskette)**

■ **BATTLING BUGS/CONCENTRACTION** (Ages 9 to 12) (Milliken EduFun) **BATTLING BUGS** (positive and negative numbers) columns of bugs, get rid of them all!... you might be the master exterminator! **CONCENTRACTION** (equivalent fractions)... choose two... are they equal?... Two players. **(Diskette)**

■ **JUST IMAGINE** (Ages 4-14) Children can create their own animated stories! Your kids will love creating their own stories and watching them come to life. Different background scenes combine with animated objects and written stories to build a film like sequence. Typing the story enables the child to increase his/her creative writing, spelling, and reading skills. State-of-the-art graphics, music and special effects make this a must! **(Diskette)**

■ **NUMBER BUILDER** (Ages 8-13) You must reach a designated number, but how? Should you add, subtract, multiply or divide? By using the correct sequence of mathematical operations, Number Builder allows you to arrive at the number and, in addition, strengthens your math skills. Includes arcade type format, several difficulty levels, and self test. **(Diskette)**

■ **SKY TRAVEL: A WINDOW TO OUR GALAXY** (Ages 10-Adult) The most advanced and complete astronomy program on the market today. It shows the location of over 1,200 stars, 88 constellations, the sun, the earth's moon, 8 planets, Halley's comet, and many deep space objects, including detailed information on each through special INFORM and FIND functions. In addition, you can create your own star and planetary charts. Even travel 10,000 years into the past or future! **(Diskette)**

■ **READING PROFESSOR** (Ages 12-Adult) Through 10 lessons and 7 different kinds of exercises, the Reading Professor helps improve a person's reading speed and comprehension. 32 different exercise passages are available for each of the 3 reading levels—high school, college and adult, and professional. A true learning experience. **(Diskette)**

■ **FISH-METIC** (Ages 7-13) Tired of practicing math facts by rote? Play the challenging game of Fish-Metic with its arcade quality graphics and game play, its points and bonus points, and its speed run after every level. While having fun, review and learn the concept of comparison (greater than, less than, and equal to). Then apply it to positive and negative whole numbers, fractions and decimals. **(Diskette)**

■ **LEARNING TUTOR MATH SERIES** These 4 packages for 9 to 12 year olds each contain 6 programs. Every program provides the child with on-screen instructions, an excellent step-by-step lesson, practice questions with help screens, a lesson review, directions or hints, and a detailed report card on each question attempted. **(Diskette)**

■ **MAGIC GARDEN SERIES** (Ages 4-8) The Magic Garden is a series of five animated Talking Books which helps your child read by using the Magic Voice Speech Module. Simply indicate any word in the story and hear it spoken. With the help of two characters that are present in all 5 stories, Tom and Mr. Bee, your child can learn such concepts as shapes and colors, counting, relative size, etc. **(Diskette)**

■ **MAGIC WORKSHOP SERIES** (Ages 4-8) The Magic Workshop is a series of three animated Talking Books which helps your child read by using the Magic Voice Speech Module. Simply choose any word in the story and Magic Voice says the word. Each story shows how Mr. Bits, the robot, uses his toolbox to help his friends through different problems. **(Diskette)**

Magazines

■ **COMMODORE MICROCOMPUTER MAGAZINE** In-depth information. Focuses on business, art, education, and music. "Type-in" programs, news and reviews. For all Commodore computer users.

■ **COMMODORE POWER-PLAY MAGAZINE** The lighter side of home computing. Regular features cover games, user groups, reviews, home applications, new products, programming.

Arcade

■ **INTERNATIONAL SOCCER** (Gold Medallion Game) As close to real soccer as you can get without putting on cleats!

Realistic player and ball movement highlight this stunning version of the most popular sport in the world. **(Cartridge)**

■ **JACK ATTACK** (Gold Medallion Game) Combines cartoon animation with strategic challenge. 64 different screens. A Commodore original, rated a "must-buy" game by Electronic Games Magazine. **(Cartridge)**

■ **JUPITER LANDER** Space landing simulation. Horizontal/ vertical thrust. Softland scoring. Joystick control. **(Cartridge)**

■ **PINBALL SPECTACULAR** Real pinball action and thrills. Sound you won't believe. Chutes, lights, bumpers and more. **(Cartridge)**

■ **RADAR RAT RACE** A Commodore original for all ages. Gobble the cheese but avoid enemy rats and deadly cats. Don't forget your secret weapon! **(Cartridge)**

■ **STARPOST** Protect the Star Post from waves of invaders. 3 levels of skill. 99 levels of action. **(Cartridge)**

■ **STAR RANGER** Fight your way through hordes of space enemies. Avoid asteroids and land safely. Superb graphics combined with intriguing strategy. **(Cartridge)**

■ **TOOTH INVADERS** Reviewed by American Dental Association. Arcade action teaches good dental care. Beat D.K. at all 9 levels. **(Cartridge)**

■ **TRIAD** One/Two players. Position yourself on the tic-tac-toe grid for different attack strategies. Progressive difficulty levels test both reflexes and mind. **(Diskette)**

■ **DRAGONSDEN** Arcade style excitement in this Commodore original. Battle giant spiders, bats and the dragon in this contest of skill and reflexes. 3 levels. **(Cartridge)**

Bally Midway

A special home version of the Bally Midway Arcade Game.

■ **BLUEPRINT** Help J. J. build the "Ammo Machine" and save Loni. Parts are stored in a colorful maze of houses. Multi-skill and difficulty levels. **(Cartridge)**

■ **CLOWNS** Amazing action under the "Big Top". Clowns "pop" balloons for high-scoring, colorful acrobatic fun for all. **(Cartridge)**

■ **GORF** (Talking Game) 4 Space action games in 1. Fly your fighter, defeat "The Empire". Multi-skill levels. IT TALKS! (with Magic Voice). "Best home version ever", according to Creative Computing. **(Cartridge)**

■ **KICKMAN** Ride the unicycle and catch falling objects. Multi-skill levels. Excellent graphics and superb sound. Watch out! Don't fall! **(Cartridge)**

■ **LAZARIAN** 4 different screens. Multi-skill level space action. To rescue, evade obstacles and destroy the one-eyed leviathan. **(Cartridge)**

■ **OMEGA RACE** Fast space race action. Many skill levels. Avoid deadly mines as you eliminate droid forces. **(Cartridge)**

■ **SEAWOLF** The classic two-player sea battle. Torpedo PT Boats and Destroyers. Great graphics and sound. **(Cartridge)**

■ **WIZARD OF WOR** (Talking Game) Fight your way through 25 mazes. Defeat the Wizard and his pets. Two-player, multi-skill. IT TALKS! (with Magic Voice). Brilliant conversion of the popular classic. **(Cartridge)**

■ **SOLAR FOX** Colorful flashing forms surround your space cruiser... strange alien crafts maintain a vigilant patrol, firing whenever you pilot into their range... enter this universe of grids patterned with pulsating energies, aliens, and unknown challenges. Every fourth rack there is a special challenge round. Twenty different patterns, increasing difficulty and unlimited levels make this conversion enjoyable for novices and "gamers" alike. **(Cartridge)**

Music

■ **MUSIC COMPOSER** Create, play and save your tunes easily. Simulates up to 9 instruments. Notes appear on screen. Play your keyboard like a piano. **(Cartridge)**

■ **MAGIC VOICE SPEECH MODULE** Enjoy your Commodore 64 even more with this realistic voice synthesizer. Features include simultaneous voice and music generation, simultaneous voice graphic actions, and 235 words built-in with additional vocabulary available from optional cartridges or disks. The most realistic voice synthesizer on the market.

Commodore, years ahead of the competition.

How to become computer literate.

Commodore 64 Product Comparison

FEATURES	COMMODORE 64	APPLE IIe	IBM PC Jr	ATARI 800XL
Price*	$219	$699	$669	$299
Built-in Memory	64K	64K	64K	64K
Typewriter Keyboard	YES (66 Keys)	YES (62 Keys)	"CHICKLET" (62 Keys)	YES (61 Keys)
Upper/Lower Case	YES	YES	YES	YES
Programmable Function Keys	YES	NO	YES	NO
Audio				
Polyphonic Tones	YES	NO	YES	YES
Music Synthesizer	YES	NO	NO	NO
Hi-Fi Output	YES	NO	YES	YES
Video				
TV Output	YES	EXTRA COST	EXTRA COST	YES
Video Monitor Output	YES	YES	EXTRA COST	YES
Input/Output				
Intelligent I/O Bus	YES	NO	NO**	YES
RS-232 Communications	YES**	EXTRA COST	YES**	EXTRA COST
"Smart" Peripherals	YES	NO	NO	YES

*—Prices shown are common retail and may vary slightly in different markets.

**—Requires an adapter to operate.

Commodore Information Network.

The Commodore Information Network (CIN) is a user friendly telecommunications service dedicated to the special interests of Commodore users. Telecommunications services are designed to disseminate and exchange information using computers that are accessed with a modem via standard telephone lines. The Commodore VICMODEM, AUTOMODEM, or any compatible modem provide the key to the world of telecommunications and make your VIC 20 or Commodore 64 capable of "talking" to the Commodore Information Network and other computers.

Accessed through the nationally-known CompuServe™, and other computers. Information Service (CIS), CIN consists of:

     A. A Menu-Driven DISPLAY AREA
     B. A HOTLINE for Technical Support
     C. Three (SIG) SPECIAL INTEREST GROUP Bulletin
        Board sections

You have easy access to all these areas through the CIN main menu.

CompuServe is a trademark of CompuServe, Inc. and H&R Block Co.

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COMPUTERS