



P R E S S R E L E A S E

For Immediate Release

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NEW ALR LOCAL BUS MULTIMEDIA PCs ARE FIRST TO OFFER KODAK ACCESS SOFTWARE AND PHOTO CD TECHNOLOGY

Irvine, CA, February 2, 1993-- Advanced Logic Research, Inc. (NASDAQ:AALR) today announced two multimedia systems based on the new EVOLUTION IV 486SX and 486DX products with VESA-compliant local bus. The EVOLUTION IV MPC systems offered by ALR are ready-to-run, with full factory-configured hardware and software that include Kodak's Photo CD Access software with 24 sample images, high quality Sony CD-ROM, Media Vision's Pro Audio Spectrum 16 sound card, built-in audio quality speaker and dynamic microphone.

Additionally, the ALR EVOLUTION IV MPC systems come with Microsoft's Windows 3.1 on CD-ROM and four of the most popular Microsoft CD-ROM titles: Cinemania, Works for Windows, Beethoven and Bookshelf for Windows. To complete the package, ALR offers a choice of two high quality, high resolution non-interlaced VGA monitors: 14- or 17-inch. The 14-inch provides up to 1024 by 768 pixel resolution while the 17-inch provides up to 1280 by 1024 pixel resolution. Prices start at \$2,778. See attached ALR EVOLUTION IV MPC specifications for new software and hardware package benefits.

Dave Kirkey, vice president of marketing at ALR states, "The applications for Photo CD technology are unlimited. Bundled with our new EVOLUTION IV MPC local bus systems, users in a number of markets including business-to-business, medical and education will benefit."

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ALR is the first PC manufacturer to offer Kodak's Photo CD technology integrated with Access Software to form a complete MPC system. The technology is designed to provide consumers or commercial customers a convenient way to input 35 mm photographic quality images into desktop-computing applications.

By using Kodak's Photo CD technology, users can view their images on a high resolution VGA monitor to create custom photo albums and slide shows at home and at the office. In the commercial market, users such as graphic designers, desktop publishers and multimedia title developers can enhance documents, presentations and designs.

The ALR EVOLUTION IV MPCs use Intel's high performance 25-MHz 486SX and 33-MHz 486DX microprocessors. Also included is ZIF (Zero Insertion Force) upgrade socket for choice of 486SX-33, 486DX-33, 486DX2/50 and 486DX2/66 as well as the Pentium technology CPUs.

The ALR EVOLUTION IV MPCs take advantage of the two available VL local bus slots and one proprietary CL (Cache Local-Bus) slot. "By offering a choice of high quality graphics accelerator cards, the ALR EVOLUTION IV MPCs can realize a 650% gain over non-local bus systems using WD90C30 video chip," said Kirkey.

All systems are available with a choice of Western Digital's Local Bus Graphics Accelerator, ATI's Ultra Graphics Pro local bus video adapter or ALR's new proprietary Tri-Combo I/O local bus adapter card (see EVOLUTION IV press announcement).

The new EVOLUTION IV MPCs from ALR come in a small desktop chassis and include standard 4-MB RAM expandable to 52-MB on the motherboard, 256K write-back cache RAM, choice of 170- or 240-MB hard drives, 1.44-MB 3.5-inch floppy drive, integrated support for two IDE floppies, MS-DOS 5.0, MS-Windows 3.1 and mouse. Total expansion includes six 32-bit slots (two VESA VL bus and one ALR CL local bus; six storage bays, two half-height 5.25-inch and four slim line 3.5-inch devices. A 200-Watt power supply is standard.

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All ALR EVOLUTION IV products will be available early March and will be offered through ALR's Prime Line Direct 800-444-4ALR telephone service. The following prices and configurations include optional graphics accelerator adapters and various ALR monitors.

MPC Model	Hard Drive	With Opt. Video	With Opt. Monitor	MSRP
4/25s Model 170DW MPC	170-MB	WD90C31-LB	FlexVIEW 3X NI 14"	\$2,778
		WD90C31-LB	FlexVIEW 4X NI 17"	\$3,278
		ATI UG Pro	FlexVIEW 3X NI 14"	\$2,978
		ATI UG Pro	FlexVIEW 4X NI 17"	\$3,478
4/25s Model 240DW MPC	240-MB	WD90C31-LB	FlexVIEW 3X NI 14"	\$2,978
		WD90C31-LB	FlexVIEW 4X NI 17"	\$3,478
		ATI UG Pro	FlexVIEW 3X NI 14"	\$3,178
		ATI UG Pro	FlexVIEW 4X NI 17"	\$3,678
4/33 Model 170DW MPC	170-MB	WD90C31-LB	FlexVIEW 3X NI 14"	\$3,178
		WD90C31-LB	FlexVIEW 4X NI 17"	\$3,678
		ATI UG Pro	FlexVIEW 3X NI 14"	\$3,378
		ATI UG Pro	FlexVIEW 4X NI 17"	\$3,878
4/33 Model 240DW MPC	240-MB	WD90C31-LB	FlexVIEW 3X NI 14"	\$3,378
		WD90C31-LB	FlexVIEW 4X NI 17"	\$3,878
		ATI UG Pro	FlexVIEW 3X NI 14"	\$3,578
		ATI UG Pro	FlexVIEW 4X NI 17"	\$4,078

In addition, ALR also reduced FLYER 32LCT MPC pricing by \$800 and upgraded its 486SX/25 CPU models to 486SX/33 CPU models. New prices for the FLYER 32LCT MPC 486SX/33 are \$3,195 for Model 120 MPC, \$3,895 for Model 340 MPC and \$4,395 for Model 535 MPC, respectively.

Advanced Logic Research, Inc. is a leading manufacturer of upgradeable desktop, file server and notebook PC products. The company pioneered the first affordable upgradeable computer architecture in July 1989. ALR carries a comprehensive line of ISA-, Micro Channel- and EISA-based PCs. Included are the Ranger notebook, Flyer, BusinessVEISA and ProVEISA product families in a full range of price and performance options. CPU platforms range from i386SX to i486DX and include multiprocessing. ALR systems are Novell and Banyan certified. ALR products are available worldwide through value-added ALR Power Partner resellers, major chains such as Intelligent Electronics and JWP and are available through national distributors including Ingram Micro, Merisel, Gates/FA and Tech Data. ALR products can be purchased direct through ALR's PrimeLine Direct 800 phone line; 1-800-444-4ALR. ALR stock is publicly traded on the NASDAQ National Market System under the symbol AALR.

Intel268, Intel386, Intel486, i386, i486 and OverDrive are trademarks of Intel Corporation.

Transparencies available upon request.

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ALR EVOLUTION IV MPC

<i>Processor Design:</i>	25-MHz i486SX, 33-MHz i486DX
<i>CPU Upgrade Path:</i>	i486DX/33, i486DX2/66, Intel OverDrive Processors and Pentium Technology
<i>System Bus Architecture:</i>	16 Bit Industry Standard Architecture (ISA) with VL-bus extensions
<i>Standard Memory:</i>	4-MB RAM (using standard 32-bit SIMMs)
<i>Memory Expansion:</i>	Up to 52-MB on System Board (using standard 32-bit SIMMs)
<i>External Cache:</i>	ALR High Performance 256-KB CachePAK Module included
<i>Video/Monitor Available:</i>	WD90C31-based 1-MB Local Bus (WD90C31LB) Video Adapter ATI 68800-based 1-MB Local Bus Video Adapter ALR SVGA 14" Monitor (Interlaced) FlexVIEW 3X NI, (SVGA 14" Monitor Multi-Scan, Non-Interlaced) FlexVIEW 4X NI, (SVGA 17" Monitor Multi-Scan, Non-Interlaced)
<i>Coprocessor Support:</i>	Internal 387-compatible Math Coprocessor on DX system; i487SX coprocessor (optional) on 486SX/25 model.
<i>Standard Hard Drive:</i>	170-MB (<17ms) and 240-MB (<14ms) IDE Hard Drives
<i>Floppy Drive:</i>	1.44-MB 3.5" floppy drive.
<i>CD-ROM:</i>	Sony CD Drive (CDU31A), Multi-session Photo-CD, Access time 490ms, 150 Kbps data transfer, no caddy necessary
<i>Controller:</i>	Integrated floppy controller (supporting up to two floppies) and IDE interface with Direct Memory Access (DMA) supporting up to two hard drives
<i>Sound Board:</i>	MediaVision Pro AudioSpectrum 16 sound card
<i>Microphone:</i>	Dynamic Microphone
<i>Speaker:</i>	Built-In Audio-Quality Speaker.
<i>Software:</i>	MS Dos 5.0; Windows 3.1 (CD-ROM)
<i>Pointing Device:</i>	ALR 2-button Mouse
<i>Total Expansion Slots:</i>	Six: 16-bit ISA slots (two with 32-bit VESA VL-bus extensions and one with ALR's 32-bit Cache local bus extension)
<i>Total Storage Bays:</i>	Six: two half-height 5.25" and four 3.5" devices
<i>I/O Ports:</i>	Two 9-pin serial ports; one parallel port and one mouse port
<i>BIOS Upgrade:</i>	Phoenix Upgradeable Flash BIOS with Hardware Security
<i>Physical Dimensions:</i>	6"H x 15"W x 17"D, 35 lbs. (approximately)
<i>Power Supply:</i>	200 Watts
<i>Warranty:</i>	Limited 12 Months
<i>CD-ROMs</i>	Kodak Photo CD Access software with Photo CD images. Microsoft Windows 3.1 with Multimedia utilities and applications, Cinemanía, Works for Windows, Beethoven, Bookshelf for Windows.

Configurations and pricing subject to change without notice. ALR is a registered trademark of Advanced Logic Research, Inc. All other brand and product names are trademarks of their respective owners.
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ALR EVOLUTION IV MPC SYSTEMS

- ✓ Added Value to EVOLUTION IV SYSTEMS
- ✓ High Performance MPC
- ✓ Home Use / Business Use

Processors:

i486SX/25-MHz	170-MB Hard Drive
	240-MB Hard Drive

i486DX/33-MHz	170-MB Hard Drive
	240-MB Hard Drive

MPC Systems Include

- ✓ Sony CD-ROM
- ✓ KODAK Photo-CD with ACCESS Software
- ✓ Built-In Audio-Quality Speaker
- ✓ Dynamic Microphone
- ✓ Media Vision Pro AudioSpectrum 16 Sound Card
- ✓ Quality Microsoft CD-ROM Titles/Applications:
 - Windows 3.1
 - Cinematica
 - Works for Windows
 - Beethoven
 - Bookshelf for Windows
- ✓ Special Price on SVGA Monitors (14" & 17")

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SONY CD-ROM Drive Unit

Model CDU31A-02

The high quality Sony CD-ROM Drive unit is the perfect compliment for the ALR EVOLUTION IV MPC System.

- ✓ **Headphone jack and headphone volume-control**
- ✓ **Busy and power light indicator**
- ✓ **Eject button**
- ✓ **CD Tray Loading Mechanism (no caddy is needed)**
- ✓ **Modes Supported:**
 - CD-Digital Audio, CD-ROM (Mode 1 Mode2)
 - CD-ROM XA (Mode 2, Form 1 and Form 2)
 - CD-I (Mode 2, Form 1 and Form 2)
 - CD-Bridge (Photo-CD)
- ✓ **150 Kbytes/sec transfer rate**
- ✓ **490ms Access time**

KODAK PHOTO-CD Access Software & Photo Sampler

The EVOLUTION IV MPC Systems include KODAK Photo-CD capabilities and includes the *KODAK Photo CD Access* software for Windows.

- ✓ **Gain access to Photo CD images**
- ✓ **Read, display, crop, zoom, rotate and flip Photo CD images**
- ✓ **Carries digital images into other applications for page layout, additional image editing and other uses**
- ✓ **Supports PICT, TIFF, EPS and other popular image file formats**

Built-In Audio-Quality Speaker

An audio-quality speaker is built into the front panel of the EVOLUTION IV MPC system to deliver high caliber sound from the Pro AudioSpectrum 16 sound card.

Dynamic Microphone

Included is a dynamic microphone that connects to the microphone input on the Pro AudioSpectrum 16 sound card. With this, voice recordings can be done in Windows and saved as a sound file. This sound file can be attached to a Windows event, or can be inserted into applications that support voice annotation.

MEDIA VISION Pro AudioSpectrum 16 Sound Card

The Pro AudioSpectrum 16 sound card delivers incredible sound from the EVOLUTION IV MPC system.

- ✓ **Most Compatible PC Sound Card - works with all the software that supports:**
 - Sound Blaster
 - AdLib
 - MPC and Windows with Multimedia
 - Windows 3.1
 - Thunder Board

- ✓ **True 16-Bit 44kHz Stereo Sound**
 - 16-bit stereo playback (16-bit linear DAC)
 - 16-bit stereo sampling (16-bit linear ADC)
 - Uses 16-bit DMA for highest possible performance
 - Microphone, External line-in, and CD-Audio inputs
 - Shielded circuitry and dynamic filtering for low noise and clear sound

- ✓ **Advanced 20 Voice Stereo Synthesizer**
 - Synthesize instruments and sound effects
 - Yamaha YMF262 (opl-3)
 - 4 operator FM sounds
 - 16-bit FM DAC
 - General MIDI compatible

- ✓ **16-Bit PC Interface**

MIDI Interface (requires Media Vision optional *MIDI Mate*)

 - Full duplex MIDI port lets you record and play at the same time

- ✓ **IBM Standard Joystick Port**

- ✓ **Stereo Amplifier**
 - Provides 4 watt/channel of power to drive headphones and speakers

- ✓ **Windows Software Included**
 - Pocket Recorder
 - Pocket Mixer
 - Pocket CD
 - Pro Mixer

Quality Microsoft CD-ROM Titles

A spectacular collection of Microsoft CD-ROM titles are included with the EVOLUTION IV MPC system. These titles take full advantage of the MPC capabilities of the EVOLUTION IV in the Windows environment.

- ✓ **Windows 3.1 with Multimedia Utilities and Applications**
Included with Windows 3.1 is a collection of multimedia utilities and applications
- ✓ **Cinemanania**
 - Interactive Movie Guide
 - Easy-to-use tools that search by title, genre, actor, director, release date, star rating, Academy Award, and MPAA rating.
 - Instantly find capsule summaries from the complete text of *Leonard Maltin's Movie and Video Guide 1992*, and *The Motion Picture Guide*, and *The Encyclopedia of Film*.
 - Explore filmmaking, film history, film criticism, and the lives and careers of nearly 3000 movie personalities.
 - Review the movies' greatest faces, scenes, and sounds with more than 1000 photos, plus nearly 100 of the most famous lines in movie history.
 - Gain insight into the best films ever made through in-depth reviews of 245 recent and 500 selected classic films.
 - Find explanations of hundreds of terms such as "key grip" and "best boy" in the extensive glossary.
 - Make it all even easier to find and use by adding your own bookmarks and notes.
- ✓ **Works for Windows, Multimedia Edition**
 - Provides the productivity tools that help you accomplish your day-to-day tasks
 - Online lessons and reference use sound and video to get you up and running quickly
 - Includes:
 - Wordprocessor
 - Spelling checker and Thesaurus
 - Spreadsheet
 - Charting Tool
 - Database with reporting
 - Drawing Tool
- ✓ **Multimedia Beethoven: The Ninth Symphony**
 - An incredible musical journey about the life and times of Beethoven
 - See and hear everything from an overview of the symphony to an in-depth analysis of each movement

**Bookshelf for Windows**

- Complete CD-ROM reference library
- Combines sights and sounds of multimedia with seven of the most popular reference books available
 - The Concise Columbia Encyclopedia*
 - The American Heritage Dictionary*
 - Roget's II Electronic Thesaurus*
 - The World Almanac and Book of Facts 1992*
 - Bartlett's Familiar Quotations*
 - The Concise Columbia Dictionary of Quotations*
 - Hammond Atlas*
- Provides meaningful text with rich illustrations and audio entries of word pronunciations, music, and quotes.
- Animation's show you how things work

SUPER VGA MONITORS

Special Pricing on ALR's new non-interlaced, multi-scan 14" and 17" monitors.

			ALR Part #
14"	ALR 3X NI	.28mm dot pitch	11001027
17"	ALR 4X NI	.28mm dot pitch	11001028

ALR FlexVIEW 4X NI

17" Non-Interlaced, Multi-Scan COLOR MONITOR

ALR Part Number 11001028

Specifications



CRT

- ◆ 17 inch, 0.28mm dot pitch, non-glare.

Input signals

- ◆ Video: Analog: 0.7 Vp-p \pm 10%/75 Ohm, RGB positive.
- ◆ Sync: Separate Sync.: Horizontal and Vertical, TTL positive or negative (IBM MODE)
 - Sync. on Green: 0.3 Vp-p Composite
- ◆ Sync: Horizontal + Vertical, TTL positive or negative (MAC MODE)
- ◆ Rise and Fall Time: Less than 12ns.

Input Connector

- ◆ 15-pin D-type male connector.

Scanning Frequency

- ◆ Horizontal: 30-KHz to 80-KHz continuous.
- ◆ Vertical: 50-Hz to 120-Hz non-interlaced / interlaced.

Resolution

- ◆ 1280 x 1024 Non-Interlaced

Display Area

- ◆ 300 mm x 220 mm
(Recommended)

Power supply

- ◆ Input Voltage: 90~264 Vac, 50/60 Hz universal.
- ◆ Consumption: 130 Watts

External controls

- ◆ Front: Horizontal position, Horizontal size, Vertical size, Brightness, Contrast.
- ◆ Rear: ON/OFF switch.

Environmental Characteristics

- ◆ Temperature: 5°C~40°C
- ◆ Humidity: 30~90% (Non-Condensation)
- ◆ Altitude: 0~10,000 ft.

Dimensions

- ◆ 580 x 570 x 570 mm

Weight

- ◆ 25kg

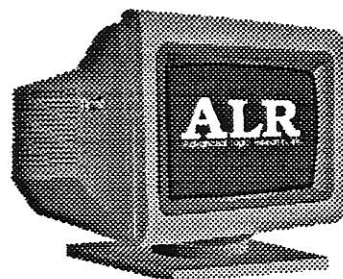
ALR
Advanced Logic Research, Inc.

ALR FlexVIEW 3X NI

14" Non-Interlaced, Multi-Scan COLOR MONITOR

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Sync. on Green: 0.3 Vp-p Composite
Sync: Horizontal + Vertical, TTL positive or negative (MAC MODE)
- ◆ Rise and Fall Time: Less than 12ns.

Input Connector

- ◆ 15-pin D-type male connector.

Scanning Frequency

- ◆ Horizontal: 30-KHz to 50-KHz automatically.
- ◆ Vertical: 47-Hz to 90-Hz non-interlaced / interlaced.

Resolution

- ◆ 640 x 480 to 1024 x 768 automatically

Bandwidth

- ◆ 65 MHz

Display area

- ◆ 240 mm x 180 mm
(Recommended)

Deflection

- ◆ Geometric Distortion: Horizontal \leq 2.0mm, Vertical \leq 1.8mm.
- ◆ Pincushion: Within \pm 2.0mm.
- ◆ Linearity: \leq 7%.
- ◆ Regulation: 2% Max. (from 1 FL to 30 FL).

Power supply

- ◆ Input Voltage: 90~132 Vac or 180-264 Vac (internal select), 50/60 Hz.
- ◆ Degaussing: Line operated automatically.
- ◆ Consumption: 90W Max.

External controls

- ◆ Front: Horizontal position, Horizontal size, Vertical size, Brightness, Contrast.
- ◆ Rear: ON/OFF switch.

Environmental Characteristics

- ◆ Temperature: 0°C~35°C
- ◆ Humidity: 10~95%
- ◆ Altitude: 0~10,000 ft.

Dimensions

- ◆ 386 x 360 x 368 mm

Weight

- ◆ 11.5 Kg (25 lbs.) Approximately

Safety

- ◆ UL, CSA, TUV, FTZ FCC (Class B), DHHS

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