Product Description

The Radius QuickColor Graphics Accelerator is a high performance hardware and software extension to Apple's 32-Bit QuickDraw. Based on a 6 million instructions per second (MIPS) RISC processor, QuickColor overcomes certain graphics routines, executes them, and rapidly transfers the data to the display. Common functions such as window movement, text scrolling, fills, and image displays occur up to 600% faster. Professional graphic artists and publishers who work in 16 and 32-bit applications will find QuickColor to be an indispensable productivity tool.

Performance By Design
Advanced Radius software, RISC processing power, and NuBus Block Transfer implementations combine to deliver QuickColor performance benefits. Radius software includes a multi-tasking RISC operating system as well as low level extensions to 32-Bit QuickDraw that intercept graphics routines normally routed to the Macintosh processor. QuickColor processes these diverted routines 50% faster than the Macintosh processor. Radius' implementation of Block Transfer on QuickColor and on Radius display interfaces then allows the graphics data to be transferred to the color display at 27 megabytes/second, 7 times the Macintosh processor's transfer performance.

Radius Color Systems
Radius is dedicated to providing Macintosh users with high performance graphics systems. A Radius Color System includes the Radius Color Display, the GS/C, DirectColor/16 or DirectColor/24 display interface, QuickColor, and RadiusWare, unique software bundled with all Radius displays. All Radius color interfaces incorporate Block Transfer technology to guarantee performance upgrade compatibility with QuickColor.

Compatibility
Radius products are designed with the highest standards of Macintosh hardware and software compatibility. QuickColor is completely compatible with Apple's 32-Bit QuickDraw and ensures compatibility with applications that run in the 32-bit environment.

Applications
- Professional Publishing
- Graphic Design
- General Business
<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
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<tr>
<td>6 MIPS RISC Processor</td>
<td>Processes 32-Bit QuickDraw operations up to 600% faster than the Macintosh processor</td>
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<td>NuBus Block Transfer support</td>
<td>Allows data transfer rates of 27 Mbytes per second to the Radius GS/C and DirectColor Interfaces</td>
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<td>Fully compatible with the Radius GS/C and DirectColor Series Interfaces</td>
<td>Provides a key component for high performance 16 and 32-bit Radius color systems</td>
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<td>Compatible with 32-Bit QuickDraw System Software</td>
<td>Ensures highest level of 32-bit application software compatibility</td>
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<td>Single-slot board</td>
<td>Occupies only one NuBus slot, leaving room for additional boards</td>
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**System Requirements**
A Macintosh II system (QuickColor occupies one NuBus slot); Radius GS/C, DirectColor/16 or DirectColor/24 Interface, Radius Color Display, and Apple 32-Bit QuickDraw

**Specifications**

**Hardware**
- RISC processor: VL86C010 Acorn RISC Machine
- Processor clock speed: 10 MHz
- Average processor MIPS: 6 MIPS
- Static RAM: 64 Kbytes;
  - zero wait states
- NuBus data transfer modes:
  - 2, 4, or 8 long word block transfers
- NuBus data transfer rate:
  - 26.7 Mbytes per second
- Card power consumption:
  - 2 amps continuous

**Software**
- RISC processor code: One INIT file
- Control Panel Access: Enable and Disable RISC processor

**Compatibility**
- Hardware: Fully compatible with Radius Color Display and Radius GS/C and DirectColor Interfaces
- Software: Compatible with 32-Bit QuickDraw software.
  - Call Radius or your Radius Authorized Dealer for information.

**Environmental**
- Operating conditions: 10° to 35°C
- Humidity: 20% to 80%
- Altitude: Sea level to 10,000 feet

**Ordering Information**
- QuickColor Product Number: 0097

The Radius QuickColor Graphics Accelerator includes a User's Manual and QuickColor Software. Contact your local Radius Authorized Dealer or call Radius at 1-800-227-2795 for a dealer nearest you.