



ALT Software Inc.

## GT3D Embedded Graphics Solution

### Total Solution

ALT Software and Silicon Turnkey Express (STx) have partnered together to provide a complete hardware and software solution. This solution provides 3D/2D graphic hardware acceleration over a standard PCI interface for diverse applications spanning automotive telematics, tactical battlefield displays, heavy construction and farm equipment, harsh environment industrial control equipment, high performance portable instruments, other SCADA, medical imaging systems and much more. The GT3D module is a PC104+ card that will be available October 2004.

### Software Solution

ALT Software's real time embedded OpenGL drivers deliver high performance hardware acceleration for highly reliable graphic display systems. ALT's OpenGL implementation for the GT3D module allows users to take full advantage of the Fujitsu's Coral-P technology for low power, ruggedized embedded systems.



ALT's automotive demo features high performance 3D hardware accelerated and embedded OpenGL

Support for the Fujitsu Coral-P graphic ASIC is the latest addition to ALT's portfolio of embedded OpenGL products. This software is designed, developed, performance tuned, tested, and supported in-house by a team of ALT's OpenGL software experts. ALT's OpenGL implementations are free from 3rd party source code synchronization problems and are optimized using a modular architecture that results in high performing, high quality software.

Call us for your next development project!

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### Hardware Solution

STx has developed GT3D using Fujitsu Microelectronics Coral P/PA 3D hardware accelerator.

The GT3D module features:

- PC104+ 3.3V and 5V universal board
- Full industrial temperature 40 to +85 C on all components as standard
- Power as low as 1 watt (no fan required)
- Coral P/PA guaranteed life cycle of 7 years
- Composite video in and video out (for multiple overlays)
- Standard 31 pin LCD 18bit video out
- Standard VGA out
- Onboard flash for texture mapping

### ALT Software Inc.

ALT Software's Embedded Graphics team provides real-time, embedded, and safety critical OpenGL drivers and development solutions. ALT's Professional Services group offers professional application and system level software and hardware development services to organizations worldwide across a broad range of sectors. Our strengths are in hardware-related software engineering and include expertise in 3D/2D graphics, embedded systems, video processing, audio, networking, mobile and wireless technologies.

### Silicon Turnkey Express (STx)

STx is a division of RPC Electronics, an EMS (electronic manufacturing services) provider to OEM (original equipment manufacturer) customers. STx focuses on providing both support and design services to semiconductor suppliers for their new microprocessor development systems as well as offering their own branded ODM production ready embedded microprocessor reference boards and software.



ALT's automotive demo running on a cell phone and PDA as used during a Tokyo show