

ALT Software Inc.

GT3D Embedded Graphics Solution

Total Solution

ALT Software, Silicon Turnkey Express (STx) and Fujitsu Microelectronics have partnered together to provide a turnkey solution that provides high performance PCI-104 3D graphics hardware and OpenGL ES drivers/development toolkits for embedded devices. This package of high performance tools is designed for OEM integration into mission critical display applications and is suitable for a variety of uses including:

- Automotive Telematics
- Industrial Ruggedized Displays
- Tactical Battlefield Displays
- Mobile Devices
- Medical Imaging Systems



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

Software Solution

ALT's embedded OpenGL drivers deliver hardware acceleration for high performance graphic display systems. ALT's OpenGL implementation for the GT3D module allows users to take full advantage of the Fujitsu's Coral-P/PA technology for low power, ruggedized embedded systems. Drivers are available to support a variety of CPUs and Operating Systems including PowerPCs from Freescale Semiconductor and IBM, Intel X86 processors, Green Hills' Integrity, Linux, Wind River's VxWorks and QNX.

Support for the Fujitsu Coral-P/PA graphic ASIC is the latest addition to ALT's portfolio of embedded OpenGL products. This software is designed, performance tuned, 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.

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
- 40°C to +85°C ruggedization on all components
- 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 HD-15 Connector
- Support for VGA, SVGA, XGA resolution
- Onboard flash for texture mapping

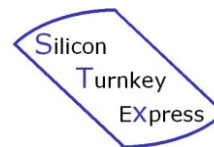
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ALT Software's Embedded Graphics team provides real-time, embedded, and safety critical OpenGL drivers and development solutions. ALT's Development Services group offers professional application and system level software and hardware development services to organizations 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 provider to OEM 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 Software Partners



Call us for your next development project!

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