

PCI-3D

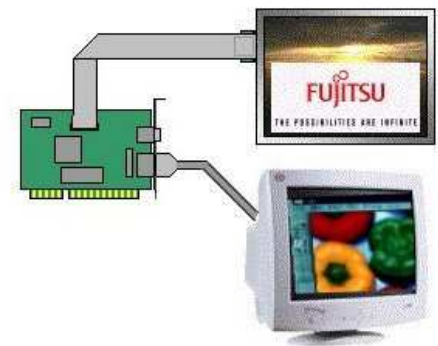
PCI 3D Display Module

PCI-3D, A Low Cost 3D display controller PCI card using Fujitsu Coral-PA (MB86296)

Typical Applications

Avionics displays, Tactical battlefield HMI, tank/ APC/ Submarine/other military, heavy construction and farm equipment, harsh environment industrial control equipment, high performance portable instruments, other SCADA, medical imaging systems, and many more!

Dual Display Capability!



**Can't find a stable Embedded Graphics solution?
The Fujitsu Coral-P is guaranteed for 10 year
minimum life in industrial temperature range.**

PCI-3D Features and Specifications

- Low Profile PCI card standard aka "slim"
- Full industrial temperature
- 105 C screening available
-40 to +85 C available
- Power as low as 1 watt (no fan needed)
- Coral P/PA device guaranteed 10 years life
- *Composite Video in, RGB out
(for multiple overlays)*
- Standard 31 pin LCD 18bit TFT out
- *Standard VGA out*
- Display resolutions up to 1024x768
- Dual Display Output capability
- 6 layers of overlay display (windows)
Alpha Plane
- Digital Video input (formats & native RGB)
- Video Scaler (up/down scaling)
- Brightness, Contrast and Saturation
Control
- I2C interface
- Geometry processor

Ask us about ARINC, DO-254, and DO-178 certification help

Available from stock at \$495.00 each
Contact STx to order or for more information

PCI-3D Hardware Specifications

PCI-104 INTERFACE: 33 MHz, 32 Bit

- Accepts 3.3V and 5V IO voltage
- Needs 3.3V & 5V or only 5V power from PCI bus

LCD Out 3x6bit standard 31 pin Hirose connector

- Custom screens and cables available- call us!
- Supports Standard 18bit digital LCD
- Up to VGA or XGA resolution

Video Out

- Standard VGA via a 15pinD-sub
- Composite (rca), RGB, and Svideo (mini-din) port

Mechanical

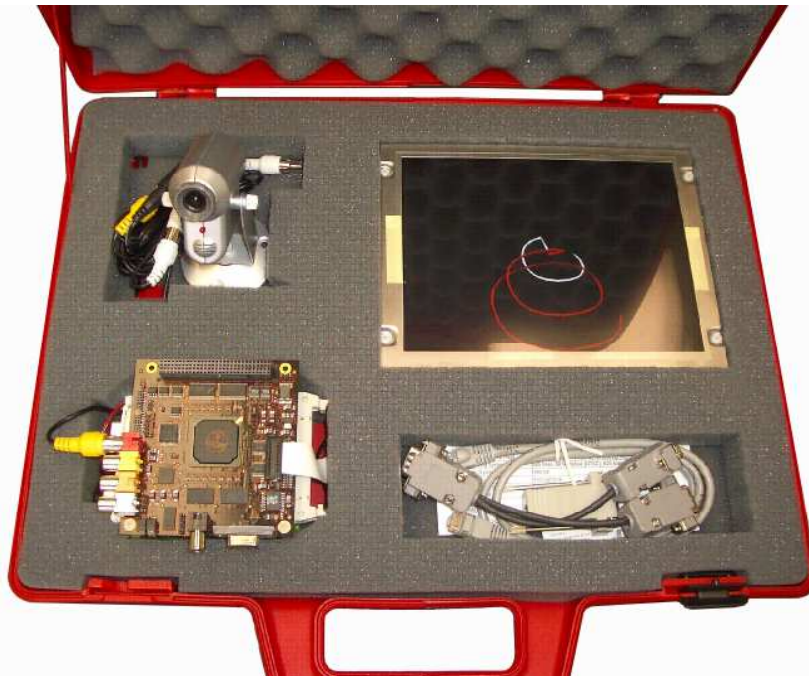
- Size- 15x106x175mm
- Weight – 80g
- Relative humidity 5% ot 95%, not condensing
- Temperature range -40°C to +85°C



PCI3D Sample Picture

Software Development Kits

- We support QNX, Linux, OpenGL, other IDE and operating systems
- Development kit includes MEN Mikro MPC5200 motherboard, power supply, camera, cables, and LCD with demo applications and support (picture below)



Contact

Silicon Turnkey Express
749 Miner Rd.
Highland Hts., OH 44143

info@silicontkx.com
www.silicontkx.com
PH: 440 461 4700 119
FX: 440 461 4329