

Features

- PMC Graphic Controller
- XGA Resolution up to 1280 x 1024
- 200 MHz RAMDAC
- 8 MByte memory
- 24-bit LVDS interface
- 18-bit LCD interface
- Analog RGB output
- S-video output
- 33/66 MHz PCI bus
- 3D rendering engine



PVGA-1722 Graphic controller is designed for embedded application requiring a GUI (Graphical User Interface). The PVGA-1722 is a PMC module providing a complete solution for XGA resolution application.

The graphic controller supports 8 MByte of memory and use a 200 MHz RAMDAC, with a resolution up to 1280x1024.

The 128-bit engine supports 2D and 3D acceleration through APIs.

The PVGA-1722 provides a flexible I/O interface usable for a wide range of display equipments.

Analog RGB output

An analog RGB interface is available, on the front panel and on rear I/O connector (optional), for CRT applications.

S-Video output

A S-Video output is available, on the front panel and on rear I/O connector (optional), for public information on TV monitor, Plasma display, etc...

LVDS interface

A 24-bit LVDS interface is available, on rear I/O and internally to connect TFT monitors. The LVDS interface provides an excellent SNR when used on remote display in industrial applications.

LCD interface

A native 18-bit LCD interface is available, on internal and rear I/O (optional) connectors, for a direct connection to LCD module without requiring additional converters.

PCI interface

The PVGA-1722 is based on PCI 2.1 interface with a 32-bit @ 33/66 MHz bus, and supports 3.3V PCI environment.

Mini-PMC

A mini-PMC (53 x 100 mm) version is available, the ordering reference is MVGA-1722.

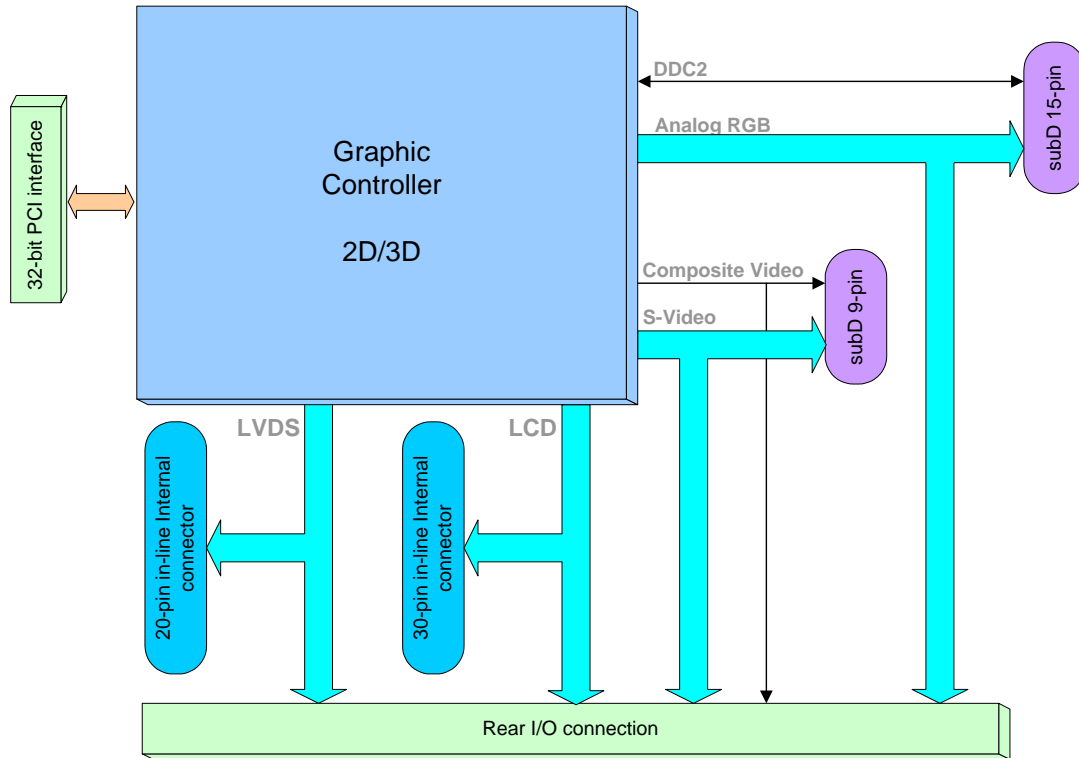
Software

The PVGA-1722 has a full RTOS support including Linux, VxWorks, Windows 2000, Windows XP and Windows CE.

Conduction Cooling

The PVGA-1722 is available in conduction cooling version.





Graphic controller

- XGA resolution, up to 1280x1024
- 8 MByte video memory
- 200 MHz RAMDAC

LVDS interface

- 24-bit LVDS interface
- Internal and rear I/O connection

LCD interface

- 18-bit native LCD interface
- Internal and optional rear I/O connections

Analog RGB output

- Available on standard subD 15-pin and optional rear I/O connections
- VESA/DDC2 support on standard subD 15-pin connector

S-Video & Video Composite outputs

- Available on standard subD 9-pin and optional rear I/O connections

PCI extension

- PCI 2.1 compliant
- 32-bit @ 33/66 MHz PCI bus
- 3.3 V environment

Environmental

Operating	0 to 70 °C
Non-operating	-40 to 85 °C
Airflow requirement	10 CFM
Relative Humidity	0 to 90 % (non-cond.)
Altitude	0 to 10'000 ft

Mechanical

Dimensions	
PMC:	74 x 149 mm
Mini PMC:	53 x 100 mm
Power	TBD
Vibration	0.5 G/Hz
	20-2000 Hz random
Shock	20 G, 11 ms, ½ sine

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