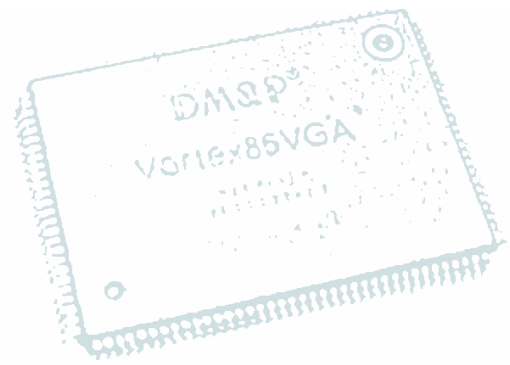


Vortex86VGA is a 22mm x 16mm LQFP 128 package. It integrates a PCIe bridge controller and a VGA controller with 4M-Byte Pseudo SRAM memory (16-bit data width). It also incorporates 3.3V DVO digital interfaces to support a third party LVDS/TMDS transmitter.



Feature

- Maximum Display Resolution : 1024x768@60Hz 16bpp with 65MHz video clock
- Integrates one dedicated PLL for video clock generation
- Supports VESA DDC
- RGB Analog Output
- One dedicated 24-bit or 12-bit digital visual port for external DVI, or LVDS companion chip
- Supports PWM to control panel backlight. Output clock is input clock div 256
- Supports one 8-bit CCIR656
- Supports one DMA for system memory to video memory and video memory to
- PCIe Interface x 1: Support PCI Express v1.1
- Operating Voltage Range :
Core voltage: 1.2 V ± 5%,
I/O voltage: 1.8V ± 5%, 3.3 V ± 10 %
- VBIOS: Size 32KByte
Combine with System BIOS, no extension ROM.
- Operating Temperature: -40°C ~ 85°C
- Package Type : LQFP 128

Block Diagram

