

FEATURES

- **PCI-Express x 1 Architecture**
 - X86 processors
 - ARM, MIPS, PPC, and ARC processors
- **16MB Integrated Video DDR Memory**
 - Embedded 16MB DDR only
 - Embedded 16MB DDR (32Bit I/F) + external 16MB DDR (32Bit I/F)
 - External up to 64MB DDR (64bit I/F)
- **Low Power Consumption < 1.5W**
- **Cost-Effective Multi-Display/Panel Supports**
 - Dual 300 MHz DAC supports up to 1920x1200 resolution
 - Dual 18-bit DVO interface for TMDS or LVDS transmitter supports up to 1920x1200 resolution
 - Independent resolution and refresh rates for dual display types
- **Quick-Rotation Features**
 - Allow for 90°, 180°, and 270° rotation of on-screen images
- **2D Graphic Accelerator**
 - 128-bit 2D graphic engine
 - ROP3's, BitBLT, transparent BLT, pattern BLT, color expansion, and line drawing
 - YUV-16/32-bit RGB conversion
- **Video Display Layers**
 - Support 7 layers of display frames (2 hardware cursors, primary graphic, video, video alpha, alpha, and secondary graphic)
- **Zoom Video Port**
 - Two 8-bit ports or one 16-bit video capture port supports ITU601 and ITU 656 specifications
 - V-16/32-bit RGB conversion

- **Serial EEPROM Interface**
- **DMA Controller**
- **GPIO/I2C/SSP Interface**

SPECIFICATION

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|------------------------------|--|
| Graphics Engine | 2D |
| Host Interface | PCIe x 1 |
| Int. Memory | 16MB DDR (option) |
| Ext. Memory | 64MB DDR (max) |
| Resolution | 1920 x 1200 (max) |
| Software Support | WinCE, WinXP, Win7, Win8, Win8.1, Win2008(32-bit/64-bit),Win2012(32-bit/64-bit), Linux Enterprise(32-bit/64-bit) |
| CPU Platform | Intel, AMD, ZFMicro, Freescale PPC, AMCC, STMicro, Marvell, Loongson and other PCIe |
| Operation Temperature | C-Temp & I-Temp |
| Package | 265-pin BGA MCM (17mm x 17mm) |