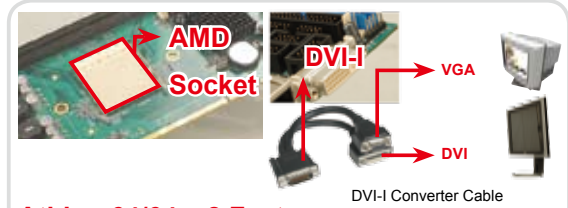
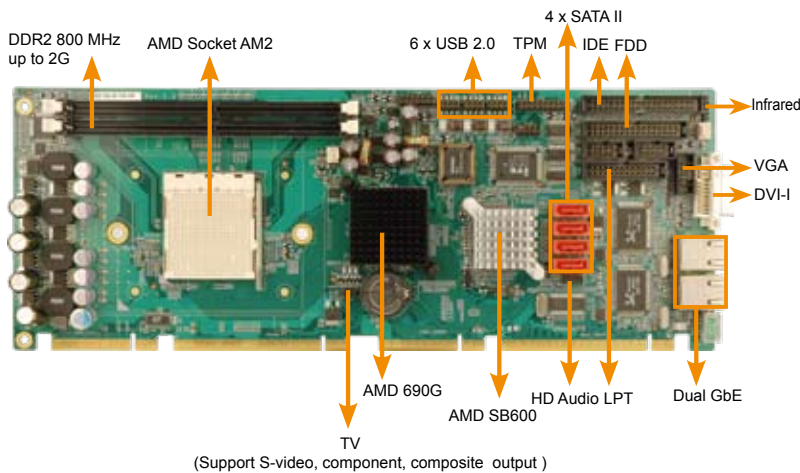


PCIE-690AM2

Full-size PICMG 1.3 CPU card supports Socket AM2 AMD processors with HyperTransport™ Technology and comes with AMD 690G and SB600 chipsets, multi-display interfaces, dual display support, four 3.0 Gbps SATA II interfaces with RAID and dual PCI GbE LAN



Athlon 64/64 x 2 Features

- Single/Dual Core Processing
- AMD® 64 technology delivers leading-edge performance
- Direct connect architecture with direct access memory I/O and CPU core within processor
- Higher speed, power optimized up to 8GB/S I/O bandwidth Hyper Transport™ technology
- Integrate DDR2 memory controller

Instant Solutions of AMD Socket AM2 CPU



Specifications

- ◆ CPU
 - Socket AM2 AMD Opteron™, Athlon™ 64 X2, Athlon™ 64 and Sempron™ processors
- ◆ HyperTransport™ Technology
 - 200 MHz, 400 MHz, 600 MHz, 800 MHz or 1000 MHz HyperTransport™ Interface
- ◆ System Chipset
 - AMD 690G + SB600
- ◆ BIOS
 - AMI
- ◆ System Memory
 - Two 240-pin 1 GB (max.) 800 MHz, 667 MHz or 533 MHz dual-channel DDR2 SDRAM DIMM supported (system max. 2 GB)
- ◆ Ethernet
 - Dual PCI GbE Realtek RTL8110SC Chipsets
- ◆ IO Interface
 - 2 x RS-232
 - 1 x LPT
 - 10 x USB 2.0
 - (Six on-board and four on the backplane)
 - 4 x SATA II support RAID 0, 1, 0+1
 - 1 x IDE
 - 1 x FDD
 - 1 x Keyboard and mouse (PS/2)
- ◆ Digital I/O
 - 8-bit Digital I/O, 4-bit input / 4-bit output
- ◆ Infrared connector
 - 1 x Infrared by pin header
- ◆ Audio
 - 7.1 Channel HD audio kit with Realtek ALC883 supports dual audio streams
- ◆ Graphic
 - ATI Radeon Express 1250 graphic engine Supports VGA/DVI-I/HDTV(S-Video, Composite, Component) interfaces
 - AVIVO provides Supports H/W decoding(WMV9, MPEG2/MPEG4), 2D/3D H/W Accelerating
 - Supports max.1080i HDTV format of YPbPr componet output and NTSC/PAL TV with S-Video/Composite output
- ◆ Dual Display Configurations
 - DVI-D + VGA
 - HDTV(Composite, S-Video, Component) + DVI
- ◆ Display Interfaces
 - VGA / DVI-I
 - HDTV-out supports Max. 1080i HDTV resolution output
- ◆ Watchdog Timer
 - Software Programmable supports 1~255sec. system reset
- ◆ Power Supply
 - ATX
- ◆ Power Consumption
 - 3.3 V @ 0.45 A, 5 V @ 3.94 A, 5 Vsb @ 0.18 A, 12 V @ 7.96 A running 3DMark® 2001 SE 330 with a 2.8 GHz AMD Opteron™ processor and 1 GB of 667 MHz DDR2 SDRAM
- ◆ Temperature
 - Operation: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity
 - Operation: 5% ~95% non-condensing
- ◆ Dimensions
 - 338 mm x 126 mm
- ◆ Weight
 - GW:1.2 Kg

Features

1. PICMG 1.3 and RoHS compliant
2. ECC DDR2 unbuffered memory support
3. Supports AMD® Athlon™ 64, AMD® Athlon™ 64 X2, AMD® Sempron™ Socket AM2 processors
4. Built in AMD 690G Integrated Multi-Media Platform
5. Support DVI-D + VGA, HDTV (S-Video, Composite, Component) + DVI-D for Dual Display Configurations
6. Four 3.0 Gbps SATA II interfaces with RAID 0, 1, and 0 + 1 functions

Packing List

1 x PCIE-690AM2 single board computer
1 x Mini jumper pack
1 x ATA66/100 flat cable (P/N: 32200-000052-RS)
4 x SATA cable (P/N: 32000062800-RS)
2 x SATA power cable (P/N: 32100-088600-RS)
1 x KB/MS Y-cable (P/N: 32000-000138-RS)
1 x Dual RS-232 cable (P/N:19800-000051-RS)
1 x USB cable (P/N: CB-USB02-RS)
1 x D-Sub VGA Cable with Bracket (P/N:19800-000025-RS)
1 x CPU retention Kit (P/N: 19Z00-000065-RS)
1 x Utility CD
1 x QIG

Ordering Information

Part No.	Description
PCIE-690AM2-R10	PICMG1.3 Full Size CPU Card with AMD® Socket AM2 Processor, AMD® 690G & SB600 Chipset, HDTV/TV-out, DVI-I, VGA Multi-display Interfaces, 4 x SATA II with Raid Function, Dual PCI GbE, HD Audio
AC-KIT883HD-R10	7.1 Channel HD audio kit with Realtek ALC883 supports dual audio streams
32200-000017-RS	FDD cable
19800-000049-RS	LPT cable
CF-519-RS	High Performance CPU cooler (92mm x 92mm x 67mm 115W)
HDTVCABLESET-01	HDTV Cable Set with Composite / S-Video / Component Output
TPM-IN01-R10	Infineon 20-pin Trusted Platform Module with S/W Management Tool
TPM-WI01-R10	Winbond 20-pin Trusted Platform Module with S/W Management Tool
24105-000029-RS	AMD Athlon 64 X2 Dual-Core 3400+ 1.8GHz; 512KBx2, 1000MHz, TDP 35W, Socket AM2 (940 pins), RoHS
24105-000052-RS	AMD Athlon 64 Single-Core 3000+ 1.8GHz; 512KBx2, 1000MHz, TDP 35W, Socket AM2 (940 pins), RoHS
CF-AM2-R10	High Performance CPU cooler (83mm x 69mm x 30mm 46W)