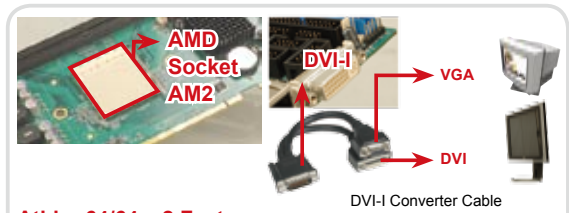
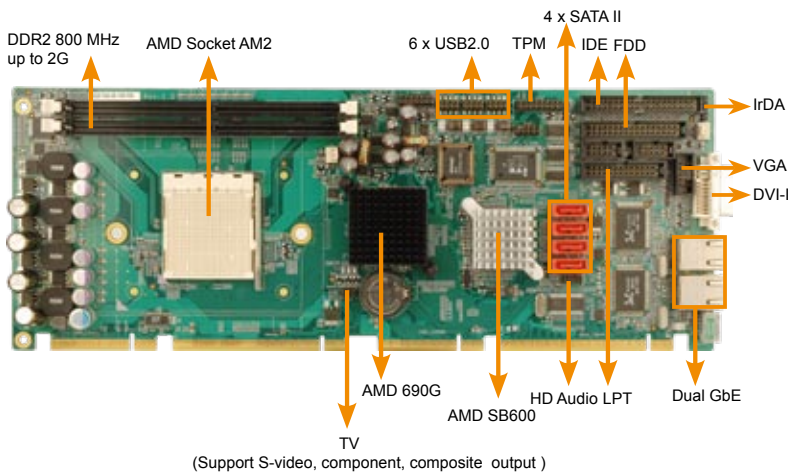


# PCIE-690AM2

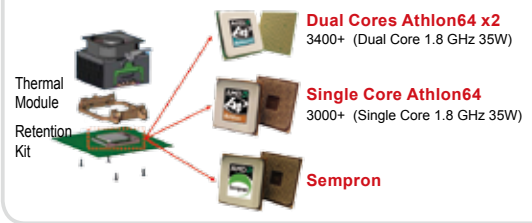
PICMG 1.3 Full Size CPU Card with AMD Socket AM2 Processor and HyperTransport™ Technology, AMD 690G & SB600 Chipsets, Multi-display Interfaces support dual displays, 4 x SATA II with RAID Functions, Dual PCI GbE



### Athlon64/64 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  
AMD Athlon™ 64, AMD Athlon 64 X2, AMD Athlon 64 FX, and AMD Sempron™ Socket AM2 processors
- ◆ HyperTransport™ Technology  
200/400/600/800/1000MHz Hyper Transport Interface
- ◆ System Chipset  
AMD 690G + SB600
- ◆ BIOS  
AMI
- ◆ System Memory  
2 x 240-pin DIMM Socket Dual Channel DDR2 400/533/667/800MHz up to 2GB  
AMD Athlon 64 processor series support ECC function
- ◆ Ethernet  
Dual PCI GbE Realtek RTL8110SC Chipsets
- ◆ IO Interface  
2 x RS-232  
1 x LPT  
10 x USB2.0  
(6 on CPU card by pin header, 4 on backplane by pin header)
- ◆ 4 x SATA II support RAID 0, 1, 0+1  
1 x IDE  
1 x FDD  
1 x KB/MS by PS2 connector
- ◆ Digital I/O  
8-bit Digital I/O, 4-bit input / 4-bit output
- ◆ IrDA  
1 x IrDA by pin header
- ◆ Audio  
7.1 Channel HD Audio Kit with Realtek ALC883 supports dual audio streams
- ◆ Graphic  
1. ATI Radeon Express 1250 graphic engine intergated in AMD 690G provides VGA/ DVI-I/TV(S-Video, Composite, Component) interfaces  
2. AVIVO provides advanced scaling, color correction of video playback processing, H/W decoding(WMV9, MPEG2/MPEG4), 2D/3D H/W Accelerating for  
3. Supports max.1080i HDTV format of YPbPr componet output and NTSC/PAL TV with S-Video/Composite output
- ◆ Dual Display Configurations  
DVI-D + VGA  
TV(Composite, S-Video, Component) + DVI
- ◆ Display Interfaces  
VGA / DVI-I  
TV-out supports Max. 1080i HDTV resolution output
- ◆ Watchdog Timer  
Software Programmable supports 1~255sec. system reset
- ◆ Power Supply  
ATX
- ◆ Power Consumption  
3.3V@0.45A, 5V@3.94A, 5Vsb@0.18A, 12V@7.96A  
(AMD Opteron™ 2.8GHz processor, DDR2 667MHz 1GB)-3DMark® 2001 SE 330
- ◆ Temperature  
operation: 0°C ~ 60°C ( 32°F ~ 140°F)
- ◆ Humidity  
operation: 5% ~95% non-condensing
- ◆ Dimensions  
338mm x 126 mm
- ◆ Weight  
GW:1.2Kg

## Features

1. PICMG 1.3 and RoHS compliant
2. ECC DDR2 Un-Buffered Memory Support
3. Supports AMD Athlon™ 64, AMD Athlon™ 64 X2, AMD Sempron™ Socket AM2 processors
4. Built in AMD 690G-Top-grade Choice of Integrated Multi-Media Platform
5. Support DVI-D + VGA, TV (S-Video, Composite, Component) + DVI-D for Dual Display Configurations
6. 4 x SATA II support Raid 0, 1, 0+1 Function

## 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 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-KIT-883HD-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)
HDTV CABLESET-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-SI01-R10	Sinosun 20-pin Trusted Platform Module with S/W Management Tool
TPM-WI-1-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