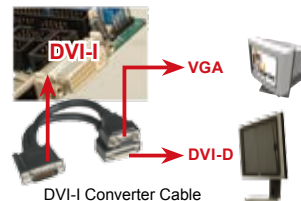
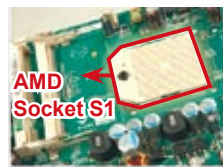
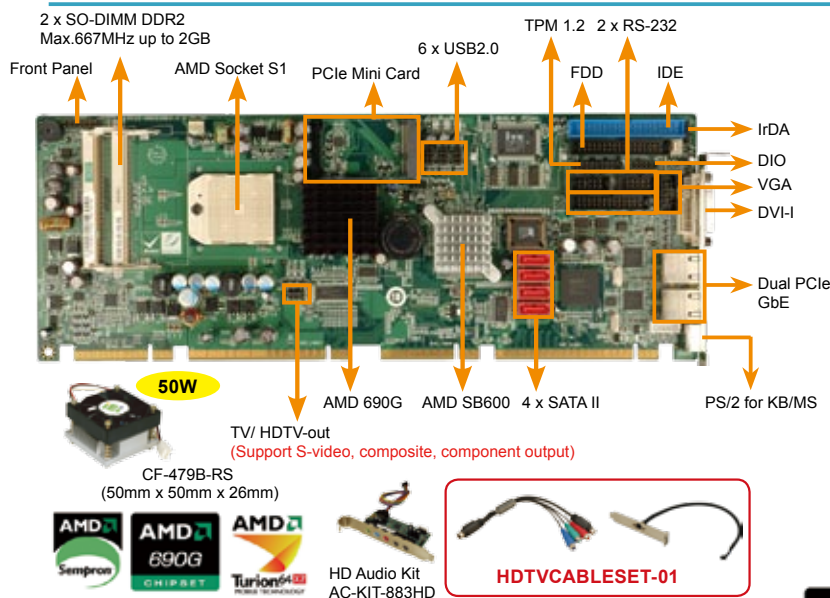


PCIE-690S1

PICMG 1.3 Full Size CPU Card with AMD Socket S1 Processor and HyperTransport™ Technology, AMD 690G & SB600 Chipsets, Multi-display Interfaces, 4 x SATA II with RAID Functions, PCIe Mini Card Slot, Dual PCIe GbE

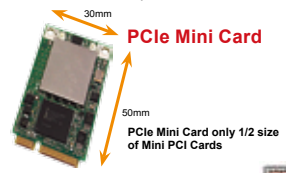


Instant Solutions of AMD Socket S1 CPU

- Turion™ 64 x2**
TL-60 (Dual Core 2.0 GHz 35W)
TL-52 (Dual Core 1.6 GHz 31W)
- Mobile Sempron™**
Mobile 3500+ (1.6GHz 25W)
Mobile 2100 (1.0GHz 9W)

- ### Turion™ 64 x2 Features
- Dual core processing
 - Power optimized HyperTransport™ technology for high speed I/O communication
 - High-bandwidth, low-latency integrated memory controller
 - Made for mobility with Power Now!™ and additional low voltage Deeper Sleep state reduces power consumption

- ### Benefit
- Half the size of mini-PCI
 - Higher bandwidth interface
 - Rigid mechanical spec.



- ### Features
- WMV9/MPEG-4/MPEG-2 Hare encode
 - Supports max. Resolution of 2048 x 1536@32bpp
 - VGA+ DVI/TV+DVI for Multi Displays Option
 - Supports AVIVO Advanced Video Processing Technology
 - Full DirectX 9.0 Supports/Vertex Shader2.0/Pixel Shader 2.0



Specifications

- ◆ CPU
Supports AMD Turion™ 64 X2 Dual-Core Mobile Technology and Mobile AMD Sempron™ Socket S1 processors
- ◆ HyperTransport™ Technology
200/400/600/800MHz HyperTransport Interface
- ◆ System Chipset
AMD 690G + SB600
- ◆ BIOS
AMI
- ◆ System Memory
2 x SO-DIM Dual Channel DDR2 400/533/667 MHz up to 2G
- ◆ Ethernet
Dual PCIe GbE Broadcom BCM5787M 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 6-Pin Mini Din Connector for KB/MS
- ◆ 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
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)
- ◆ Expansion
1 x PCIe Mini Card Slot
- ◆ Watchdog Timer
Software Programmable supports 1~255sec. system reset
- ◆ Power Supply
ATX
- ◆ Power Consumption
3.3V@0.77A, 5V@4.23A, 5Vsb@0.1A, 12V@2.53A (AMD Turion 64x2 TL-60 2.0GHz, DDR2 667MHz 1GB x 2, 80G HDD, 16X CD-RW/DVD-ROM)-3DMark® 2001 SE 330BD
- ◆ Temperature
operation: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity
operation: 5% ~95% non-condensing
- ◆ Dimensions
338mm x 126mm
- ◆ Weight
GW:1.1G

Features

1. PICMG1.3 and RoHS compliant
2. Supports Socket S1 AMD Processors: AMD Turion™ 64 X2 Dual-Core Mobile Technology and Mobile AMD Sempron™ processors
3. Built in AMD 690G Top-grade Integrated Multi-Media Platform
4. Support DVI-D + VGA, (S-Video, Composite, Component) + DVI-D for Dual Display Configurations
5. 4 x SATA II support Raid 0, 1, 0+1 Function
6. Support Dual PCIe GbE
7. Support 1 x PCIe Mini Card Slot for Expansion

Packing List

1 x PCIE-690S1 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 VGA D-Sub Cable with Bracket (P/N:19800-000025-RS)
1 x Utility CD
1 x QIG

Ordering Information

Part No.	Description
PCIE-690S1-R10	PICMG1.3 Full Size CPU Card with AMD Socket S1 Processors, AMD 690G & SB600 Chipset, TV-out, DVI-I, VGA Multi-display Interfaces, 4 x SATA II with Raid Function, Dual PCIe GbE, PCIe Mini Card Slot
24105-000047-RS	AMD Turion 64 X2 Dual-Core Mobile TL-60, 2.0GHz; 512KBx2, 800MHz, TDP 35W, Socket S1(638pins), RoHS
24105-000044-RS	AMD Turion 64 X2 Dual-Core Mobile TL-52, 1.6GHz;512KBx2, 800MHz, TDP 31W, Socket S1(638pins), RoHS
24105-000045-RS	Mobile AMD Sempron Single-Core 3500+, 1.8GHz; 512KB, 800MHz, TDP 25W, Socket S1(638pins), RoHS
24105-000053-RS	Mobile AMD Sempron Single-Core 2100, 1GHz; 256KB, 800MHz, TDP 9W, Socket S1(638pins), RoHS
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
AC-KIT-883HD-R10	7.1 Channel HD Audio Kit with Realtek ALC883 supports dual audio streams
HDTVCABLESET-01	HDTV Cable Set with Composite / S-Video / Component Output
CF-479B-RS	High Performance CPU Cooler (50mm x 50mm x 26mm, 50W)
32200-00001-RS	FDD Cable
19800-000049-RS	LPT Cable