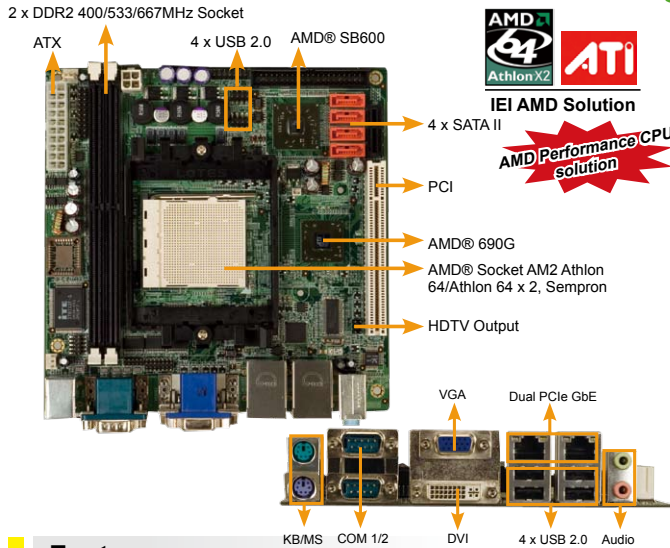


KINO-690AM2

Mini-ITX Motherboard with Socket AM2 for AMD® Athlon 64, Athlon 64 x 2, Sempron CPU, VGA/DVI/HDTV, Dual PCIe GbE, USB 2.0, SATA II and Audio



Features

1. Mini-ITX form factor and RoHS compliant
2. AMD® Athlon 64, Athlon 64 x 2, Sempron with 2000 MHz Hyper Transport support
3. Support DDR2 400/533/667 MHz up to 2GB
4. Support VGA, DVI and HDTV-out with dual display support
5. 4 x RS-232, 8 x USB 2.0 and 4 x SATA II

Specifications

- ◆ CPU
AMD® Socket AM2 Athlon 64, Athlon 64 x 2, Sempron with 2000MHz Hyper Transport support
- ◆ System Chipset
AMD® 690G + SB600
- ◆ BIOS
AMI BIOS Label
- ◆ System Memory
2 x 240-pin DDR2 400/533/667/800MHz up to 2GB
- ◆ Ethernet
Dual Broadcom BCM5787M PCI Express GbEchipset
- ◆ I/O Interface
3 x RS-232 1 x RS-232/422/485
8 x USB 2.0
4 x SATA II with RAID 0,1, 10 support
1 x IDE 2 x PS/2 for KB/MS
1 x 20-pin LPC for TPM
- ◆ Expansions
1 x PCI
- ◆ Digital I/O
8 bit digital I/O, 4 input/ 4 output
- ◆ Infrared Interface
1 x Infrared Interface by pin header
- ◆ Super I/O
ITE IT8712F
- ◆ Display Interface
VGA intrgated in AMD® 690G
Support HDTV resolution up to 1080i / 1080p by component interface
DVI by AMD® 690G with dual display support
- ◆ Audio
Realtek ALC655 with AC'97 codec
- ◆ SSD
N/A
- ◆ Watchdog Timer
Software programmable supports 1 ~255 sec. system reset
- ◆ Power Supply
AT/ATX Power
- ◆ Power Consumption
5V@4.9A, 12V@2.7A (AMD® Athlon 64x2 3400+ 1.8GHz CPU with 1GB DDR2)
- ◆ Temperature
Operating: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity
Operating: 5% ~ 95% non-condensing
- ◆ Dimensions
170 mm x 170 mm
- ◆ Weight
GW: 1100 g / NW: 402 g

Packing List

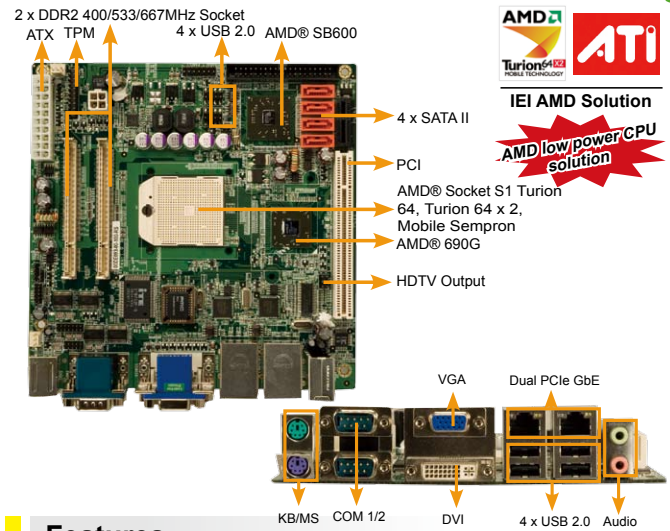
1 x KINO-690AM2 Single board computer
1 x ATA66 Flat Cable (P/N: 32200-000052-RS)
2 x SATA Cable (P/N: 32000-062800-RS)
1 x SATA Power Cable (P/N: 32100-088600-RS)
1 x Dual RS-232 Cable (P/N: 19800-000112-RS)
1 x I/O Shielding (P/N: 45014-0008C0-00-RS)
1 x Mini Jumper Pack
1 x Utility CD
1 x QIG

Ordering Information

Part No.	Description
KINO-690AM2-R10	Mini-ITX Motherboard with Socket AM2 for AMD® Athlon™ 64, Athlon™ 64 x 2, Sempron CPU, VGA/DVI/HDTV, Dual PCIe GbE, USB 2.0, SATA II and Audio
19800-000110-RS	RS-232/422/485 Cable
CF-AM2-RS	CPU cooler
CB-USB02-RS	Dual-port USB cable
CB-USB14-RS	Four-port USB cable
32000-083701-RS	HDTV Output cable
24105-000029-RS	AMD® Athlon™ 64x2 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; 512KB, 1000 MHz, TDP 35W, Socket AM2 (940-pins), RoHS
TPM-WI01-R10	20-pin WINBOND TPM Moudle, S/W managenet Tool
TPM-IN01-R10	20-pin INFINEON TPM Moudle, S/W managenet Tool

KINO-690S1-R11

Mini-ITX Motherboard with Socket S1 AMD® Turion 64 x 2, Mobile Sempron CPU, VGA/DVI, Dual PCIe GbE, USB 2.0, SATA II and Audio



Features

1. Mini-ITX form factor and RoHS compliant
2. AMD® Turion 64 x 2, Turion 64 Mobile Sempron with 1600 MHz Hyper Transport support
3. Support DDR2 400/533/667MHz up to 2GB
4. Support VGA, DVI and HDTV-out with dual display support
5. 4 x RS-232, 8 x USB 2.0 and 4 x SATA II

Specifications

- ◆ CPU
AMD® Socket S1 Turion 64, Turion 64 x 2, Mobile Sempron up to 1600 MHz Hyper Transport support
- ◆ System Chipset
AMD® 690G + SB600
- ◆ BIOS
AMI BIOS Label
- ◆ System Memory
2 X 200-pin SO-DIMM DDR2 400/533/667 MHz up to 2GB
- ◆ Ethernet
Dual PCIe Broadcom BCM5787M GbE chipset
- ◆ I/O Interface
3 x RS-232 1 x RS-232/422/485
8 x USB 2.0
4 x SATA II with RAID 0,1, 10 support
1 x IDE 2 x PS/2 for KB/MS
1 x 20-pin LPC for TPM
- ◆ Expansions
1 x PCI
- ◆ Digital I/O
8-bit digital I/O, 4-bit input/ 4-bit output
- ◆ Infrared Interface
1 x Infrared Interface by pin header
- ◆ Super I/O
ITE IT8712F
- ◆ Display Interface
VGA intrgated in AMD® 690G
Support HDTV resolution up to 1080i / 1080p by component interface
DVI by AMD® 690G with dual display support
- ◆ Audio
Realtek ALC655 with AC'97 codec
- ◆ SSD
N/A
- ◆ Watchdog Timer
Software programmable supports 1 ~255 sec. system reset
- ◆ Power Supply
AT/ATX Power
- ◆ Power Consumption
5V@3.65A, 12V@1.12A (AMD® Mobile Sempron 3500+ CPU with 512MB DDR2 667 MHz)
- ◆ Temperature
Operating: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity
Operating: 5% ~ 95% non-condensing
- ◆ Dimensions
170 mm x 170 mm
- ◆ Weight
GW: 900 g / NW: 342 g

Packing List

1 x KINO-690S1 Single board computer
1 x ATA66 Flat Cable (P/N: 32200-000052-RS)
2 x SATA Cable (P/N: 32000-062800-RS)
1 x SATA Power Cable (P/N: 32100-088600-RS)
1 x Dual RS-232 Cable (P/N: 19800-000112-RS)
1 x I/O Shielding (P/N: 45014-0008C0-00-RS)
1 x Mini Jumper Pack
1 x Utility CD
1 x QIG

Ordering Information

Part No.	Description
KINO-690S1-R11	Mini-ITX Motherboard with Socket S1 AMD® Turion 64 x 2, Mobile Sempron CPU, VGA/DVI/TV-out, Dual PCIe GbE, USB 2.0, SATA II and audio
19800-000110-RS	RS-232/422/485 cable
CB-USB02-RS	Dual-port USB cable
CB-USB14-RS	Four-port USB cable
CF-479B-RS	CPU cooler
32000-083701-RS	HDTV Output cable
24105-000045-RS	Mobile AMD® Sempron Single Core 3500+, 1.8GHz; 512KB, 800 MHz, TDP 25W, Socket S1 (638-pins), RoHS
24105-000060-RS	Mobile AMD® Sempron Single Core 2100+, 1GHz; 512KB, 800 MHz, TDP 8W, Socket S1 (638-pins), RoHS
24105-000061-RS	AMD® Turion 64x2 Dual Core TL-62, 2.1GHz; 512KBx2, 800 MHz, TDP 35W, Socket S1 (638-pins), RoHS
24105-000062-RS	Mobile AMD® Sempron Single Core 3700+, 2.0GHz; 512KB, 800 MHz, TDP 25W, Socket S1 (638-pins), RoHS

1 Industrial Computing Solutions

2 Embedded Computing Solutions

3 RISC-Based Embedded Solutions

4 Industrial Data Collector/Server Solutions

5 Video Capture Solutions

6 I/O Communication Solutions

7 Panel Solutions

8 Power Supply/Network Communication/Peripherals