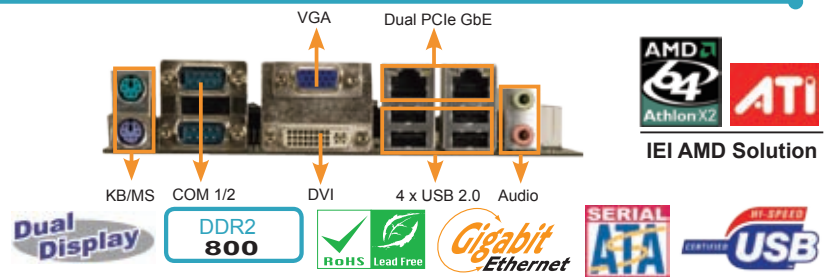
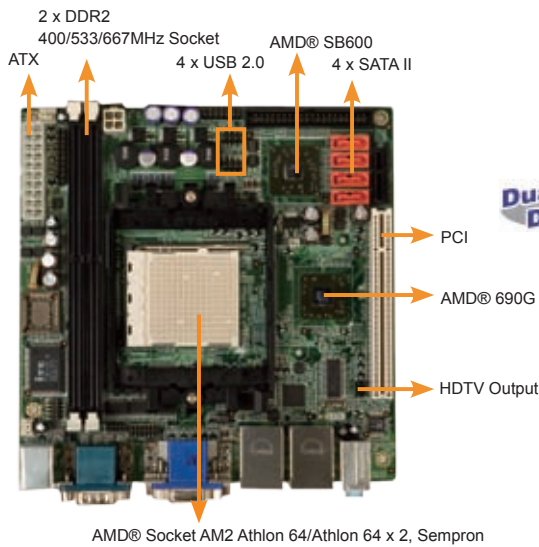


KINO-690AM2

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



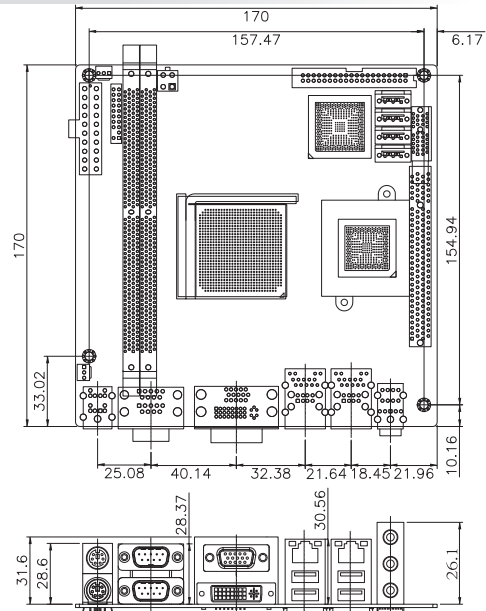
Specifications

- ◆ **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
6 x USB 2.0
4 x SATA II with RAID 0,1, 10 support
1 x IDE
2 x PS/2 for KB/MS
- ◆ **Expansions**
1 x PCI
- ◆ **Digital I/O**
8 bit digital I/O, 4 input/ 4 output
- ◆ **IrDA**
1 x IrDA by pin header
- ◆ **Super I/O**
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 3400T 1.8GHz CPU with 1GB DDR2)
- ◆ **Temperature**
Operation: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ **Humidity**
Operation: 5% ~ 95% non-condensing
- ◆ **Dimensions**
170mm x 170mm
- ◆ **Weight**
GW: 1100g / NW: 402g

Features

1. Mini-ITX form factor and RoHS compliant
2. AMD® Athlon 64, Athlon 64 x 2, Sempron with 2000MHz 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

Dimensions



Packing List

- 1 x KINO-690AM2 Single Board Computer
- 1 x IDE Cable (P/N: 32200-008800-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: 32200-028401-RS)
- 1 x I/O Shielding
- 1 x Mini Jumper Pack
- 1 x Utility CD
- 1 x QIG (Quick Installation Guide)

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/TV-out, Dual PCIe GbE, USB 2.0, SATA II and Audio
32200-000077-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 (940pins), RoHS
24105-000052-RS	AMD® Athlon 64 Single Core 3000+, 1.8GHz; 512KB, 1000MHz, TDP 35W, Socket AM2 (940pins), RoHS
TPM-SI01-R10	20-pin Sinosun TPM Module, S/W Managenet Tool
TPM-WI01-R10	20-pin Winbond TPM Module, S/W Managenet Tool
TPM-IN01-R10	20-pin Infineon TPM Module, S/W Managenet Tool