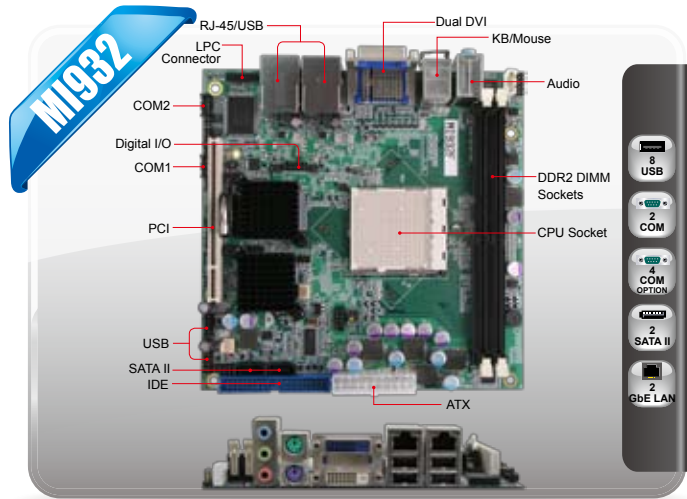
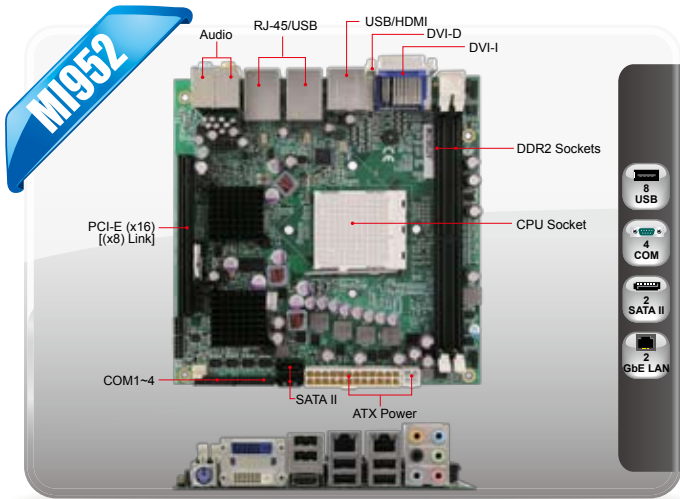


AMD Athlon™ 64 X2-Based

AMD Athlon™ 64-Based

AMD Athlon™ 64 X2 / Athlon™ 64 Mini-ITX Motherboard w/ AMD 780E Chipset

Socket AM2 AMD Athlon™ 64 Mini-ITX Motherboard w/ AMD M690E Chipset



Features

- Supports AMD Athlon™ 64 X2 / Athlon™ 64/ Sempron™, up to 2.2GHz
- 2x DDR2 DIMM, Max. 4GB
- 2x PCI-E Gigabit LAN
- Supports dual display
- Watchdog timer, HD audio
- 2x SATA II, 8x USB 2.0, 4x COM
- 1x PCI-E(x16) [(x8) Link]

Features

- Supports AMD Athlon™ 64 Dual Core Processors, up to 1.8GHz, 800MHz
- 2x DDR2 533/667/800 DIMM, Max. 4GB
- Supports 2x PCI-E Gigabit LAN
- Integrated VGA, CRT & DVI, dual DVI support
- 2x SATA II, 1x IDE, 8x USB 2.0, 2x COM
- 1x PCI, optional 4x COM ports (ID394), 7.1CH HD Audio

Specifications

CPU	AMD Socket AM2+ CPU Dual Core Athlon™ 64 X2, Single Core Athlon™ 64, Single Core Sempron™ processor, up to 2.2GHz
System Memory	2x DDR2 DIMM, Max. 4GB
System Chipset	AMD 780E + SB710
BIOS	Phoenix
Watchdog Timer	256 levels
SSD	N/A
H/W Monitor	Yes
Expansion Slots	1x PCI-E (x16) [(x8) Link]
VGA Controller	AMD 780E built-in Radeon HD3200 IGP w/ 128MB side port frame buffer (DDR3-800;32x16)
VGA Memory	Onboard DDR3 128MB (MI952F)
Display Interface	Onboard DVI-I & DVI-D, HDMI
LAN Controller	2x Realtek 8111C Gigabit LAN
Connector	RJ-45 on board
I/O Chipset	Fintek F81865-I 4x RS232, 2x SATA II, 1x KB, 1x mouse
USB	6 ports on board Pin header for 2 ports (USB 2.0)
Audio	Built-in HD audio + ALC888 codec for 7.1 CH
Others	Digital I/O (4-in/4-out)
Dimensions	170mm x 170mm (6.7" x 6.7")
Max. Power Requirement	AMD Phenom™ X3 8450e 2.1GHz w/ 2x 2GB DDR2-800 +5V: 4.95A +12V:0.62A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	10%~90% (non-condensing)

Specifications

CPU	AMD Socket AM2, up to 1.8GHz
System Memory	2x DDR2 533/667/800 DIMM, Max. 4GB
System Chipset	AMD M690E + SB600
BIOS	Award
Watchdog Timer	256 levels
SSD	N/A
H/W Monitor	Yes
Expansion Slots	1x PCI, optional 4x RS232 COM ports (ID394)
VGA Controller	AMD M690E integrated Radeon™ X1200 series
VGA Memory	Shared memory Max. 1024MB
Display Interface	Supports CRT, dual DVI, dual view display (CRT with DVI or dual DVI)
LAN Controller	2x Realtek RTL8111C PCI-E Gigabit LAN
Connector	RJ-45 on board
I/O Chipset	Winbond W83627EHG 1x IDE, 1x KB, 1x mouse, 1x RS-232, 1x RS232/422/485, 2x SATA II (RAID 0, 1)
USB	4 ports on board Pin header for 4 ports (USB 2.0)
Audio	AMD SB600 built-in HD audio w/ Realtek ALC888 codec for 7.1CH
Others	Digital I/O (4-in/4-out), +12V DC-in
Dimensions	170mm x 170mm (6.7" x 6.7")
Max. Power Requirement	AMD Athlon™ 64 x2 2.5GHz (4800+) w/ 2x 1GB DDR2 +3.3V: 1.12A +5V: 5.01A +5Vsb: 0.44A +12V: 5.59A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	10%~90% (non-condensing)

Ordering Information

MI952	Socket AM2+, AMD 780E Mini-ITX motherboard with dual DVI+HDMI and dual Gigabit LAN, 2x SATA II, 1x PCI-E(x16) [(x8) Link]
MI952F	Socket AM2+, AMD 780E Mini-ITX motherboard with dual DVI+HDMI and dual Gigabit LAN, DDR3 128MB graphic memory onboard, 2x SATA II, 1x PCI-E(x16) [(x8) Link]

Ordering Information

MI932F	Socket AM2 AMD 690E Mini-ITX motherboard with VGA and dual PCI-E Gigabit LAN
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