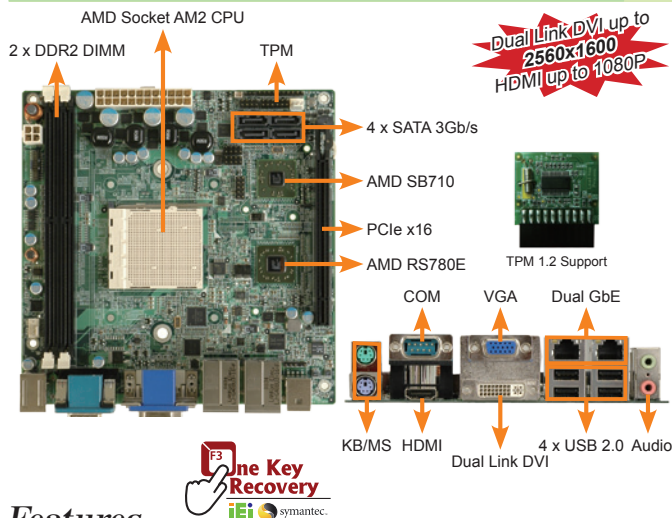


KINO-780AM2

Mini-ITX SBC with Socket AM2 for AMD Althon™ 64, Althon™ 64 X2, Sempron™ CPU, VGA/Dual link DVI/HDMI, SPDIF Dual PCIe GbE, USB 2.0, SATA 3Gb/s, and Audio



Features

1. AMD RS780E integrated Radeon HD3200 graphic core for UVD, MPEG2, and H.264/AVC Full HD Decoder (Notes: Video decoding needs driver support and player enable function. After PowerDVD 7.0, you can find ATI option in PowerDVD video field)
2. Dual-channel 667/800MHz DDR2 DIMMs support up to 4GB memory
3. Dual display supported by VGA + DVI-D/HDMI + VGA
4. AMD Socket AM2 Althon™64, Althon™64 X2, Sempron™ CPU with 2600MHz HyperTransport 3.0 support
5. ATI Radeon™ HD3200 Graphic core for DX10 support
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU
AMD Socket AM2 Althon™64, Althon™64 X2, Sempron™ CPU with 2600MHz HyperTransport 3.0 support
AMD Socket AM3 Phenom II, Athlon II, Sempron CPU up to 3.2GHz
AM3 processors are backwards compatible with today's AM2 platforms
- ◆ System Chipset
AMD RS780E + SB710
- ◆ BIOS
AMI BIOS
- ◆ Memory
Two 240-pin 667/800MHz DDR2 dual-channel SDRAM DIMMs supported (system max. 4GB)
- ◆ Ethernet
Dual Realtek PCIe RTL8111CP GbE chipset
- ◆ I/O Interface
8 x USB 2.0 1 x TPM
1 x RS-232 2 x PS2 for KB/MS
4 x SATA 3Gb/s with RAID 0, 1, 10
- ◆ Graphic
ATI Radeon™ HD3200 graphic core for DX10 support
Graphic Memory share system memory up to 512MB (system 2GB)
- ◆ Expansion
1 x PCIe x16
- ◆ Display Output
VGA integrated in AMD RS780E (Max. resolution 2560x1600@32bpp)
Support HDMI resolution up to 1080p integrated in AMD RS780E
Dual link DVI-D integrated in AMD RS780E (Resolution 2560x1600)
- ◆ Digital I/O
8-bit digital I/O, 4-bit input/4-bit output
- ◆ Super IO
Fintek F71859
- ◆ Audio
Realtek ALC888 HD Audio codec
- ◆ Watchdog Timer
Software programmable supports 1~255 sec. system reset by Fintek F7511R
- ◆ Power Supply
ATX power supply
- ◆ Power Consumption
5V@4.8A, 12V@0.22A, Vcore_12V@12.69A, 3.3V@0.54A (AMD Phenom™ X4 9950 CPU)
Vcore_12V by CPU
- ◆ Temperature
Operation: 0°C ~ 60°C (32°F~140°F)
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 170mm x 170mm
- ◆ Weight: GW: 1000g/NW: 450 g

Packing List

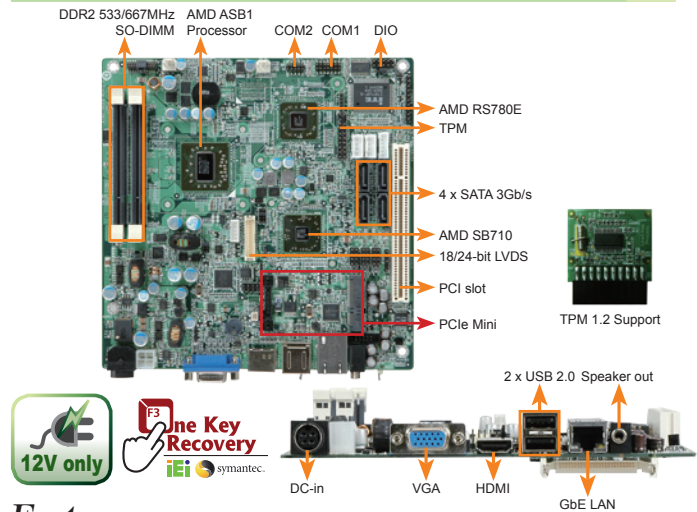
1 x KINO-780AM2 single board computer	1 x One Key Recovery CD
1 x I/O shielding (P/N: 45014-0028C0-00-RS)	1 x Mini jumper pack
4 x SATA cable (P/N: 32801-000703-200-RS)	1 x Utility CD 1 x QIG

Ordering Information

Part No.	Description
KINO-780AM2-R10	Mini-ITX SBC with Socket AM2 for AMD Althon™ 64, Althon™ 64 X2, Sempron™ CPU, VGA/Dual link DVI/HDMI, SPDIF Dual PCIe GbE, USB 2.0, SATA 3Gb/s, and Audio
TPM-IN01-R11	20-pin Infineon TPM module, software management tool, firmware V3.17
19800-003100-200-RS	Dual-port USB cable
32102-000100-200-RS	SATA power cable
24105-000077-RS	AMD Althon™ 64 X2 dual-core 4200+, 2.2GHz, 512KB x 2, 1000MHz, TDP 35W, Socket AM2 (940-pin), RoHS
24105-000078-RS	AMD Althon™ 64 X2 dual-core 3600+, 1.9GHz, 512KB x 2, 1000MHz, TDP 35W, Socket AM2 (940-pin), RoHS
CF-478D-RS-R11	1U CPU cooler for 65W
CF-478E-RS-R11	2U CPU cooler for 120W

KINO-780EB

Mini-ITX SBC with AMD ASB1 (BGA) processor, VGA/HDMI/LVDS, PCIe GbE, USB 2.0, SATA 3Gb/s



Features

1. AMD ASB1 (BGA) processor with 1600MHz HyperTransport 1.0 support
2. RS780E integrates UVD, MPEG2, and H.264/AVC Full HD Decoder
3. Dual display supported by VGA + HDMI/LVDS+ VGA/HDMI + LVDS
4. ATI Radeon™ HD3200 graphic core for DX10 support
5. TPM V1.2 hardware security function supported
6. Single 12V DC input and low profile design
7. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU
1.5GHz AMD ASB1 L325 (BGA) dual-core processor
1.5GHz AMD ASB1 210U (BGA) single-core processor
- ◆ System Chipset
AMD RS780E + SB710
- ◆ BIOS
AMI BIOS
- ◆ Memory
Two 200-pin 667MHz dual-channel DDR2 SDRAM SO-DIMMs supported (system max.4GB for L325 CPU)
One 200-pin 667MHz single-channel DDR2 SDRAM SO-DIMMs supported (system max.2GB for 210U CPU)
- ◆ Ethernet
Realtek PCIe RTL8111CP GbE chipset
- ◆ I/O Interface
8 x USB 2.0 1 x RS-232/422/485
1 x RS-232 1 x CF Type II (optional)
4 x SATA 3Gb/s with RAID 0, 1, 10 support
2 x SATA power connector with housing
1 x 6-pin PS2 KB/MS
- ◆ TPM
2 x 10-pin header for TPM
- ◆ Graphic
ATI Radeon™ HD3200 graphic core for DX10 support
- ◆ Display Output
VGA integrated in AMD RS780E (Max. resolution: 2560x1600@32bpp)
HDMI integrated in the AMD RS780E supports resolution up to 1080p
18/24-bit dual-channel LVDS support
- ◆ Expansion
1 x PCI 1 x PCIe Mini card slot
- ◆ Digital I/O
8-bit digital I/O, 4-bit input/4-bit output
- ◆ Infrared Interface
1 x 5-pin infrared interface by pin header
- ◆ Super IO: ITE IT8718F
- ◆ Audio: Realtek ALC888 HD Audio codec
- ◆ Watchdog Timer
Software programmable supports 1~255 sec. system reset
- ◆ Power Supply
Single voltage 12V input
1 x External 4-pin DIN DC jack
1 x Internal 4-pin (2x2) power connector
- ◆ Power Consumption
3.49A@12V (1.5GHz AMD ASB1 L325 dual-core processors with two 2GB 667MHz DDR2)
- ◆ Operating Temperature: -10°C ~ 60°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 170 mm x 170 mm
- ◆ Weight: GW: 1100g/NW: 370g

Packing List

1 x KINO-780EB single board computer
1 x RS-232 cable with bracket (P/N: 19800-000300-100-RS)
2 x SATA with 5V power cable (P/N: 32000-106100-RS)
1 x Audio cable (P/N: 32000-072100-RS)
1 x KB/MS Y cable (P/N: 32000-023800-RS)
1 x I/O shielding (P/N: 45014-0030C0-00-RS)
1 x One Key Recovery CD
1 x Mini jumper pack
1 x Utility CD
1 x QIG

Ordering Information

Part No.	Description
KINO-780EB-L325-R10	Mini-ITX SBC with 1.5GHz AMD ASB1 L325 dual-core processor, VGA/HDMI/LVDS, PCIe GbE, USB 2.0, SATA 3Gb/s
KINO-780EB-210U-R10	Mini-ITX SBC with 1.5GHz AMD ASB1 210U single-core processor, VGA/HDMI/LVDS, PCIe GbE, USB 2.0, SATA 3Gb/s
19800-003100-200-RS	Dual-port USB cable
32102-000100-200-RS	SATA power cable
32100-192900-RS	One 4-pin (2x2) to one 4-pin (1x4) DC power cable with terminal block
32205-000300-100-RS	RS-232/422/485 cable
TPM-IN01-R11	20-pin Infineon TPM module, software management tool, firmware V3.17
63000-FSP0601AD101C746-RS	60W/12V power adaptor 90VAC~260VAC, DIN 4-pin