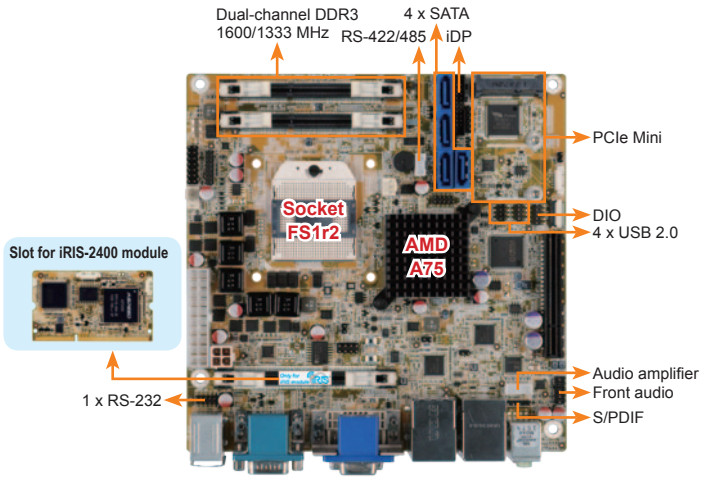
KINO-AA750-i2

Mini-ITX SBC supports Socket FS1r2 AMD R-series APU with A75, DDR3, HDMI/DVI-D/VGA/iDP, dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, HD Audio, iRIS-2400 and RoHS



Target Market of R-series

New

- Ultimate video solution supports up to 4 displays
- Great graphics process fulfills a variety of hardware decoders

Entertainment

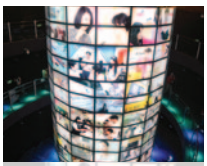
Digital Signage

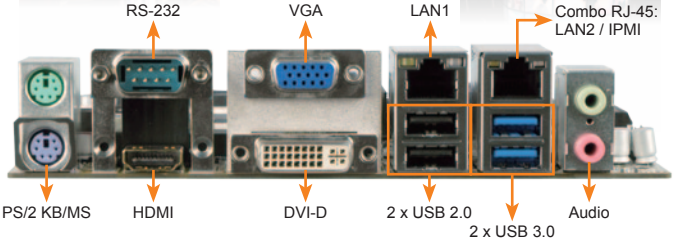
R-series Solution

Gaming

Video Wall

Designed for high graphics performance





Specifications

- CPU
  Socket FS1r2 supports AMD Embedded R-Series APU
- PCH
  AMD A75
- Memory
  Two 204-pin 1600/1333 MHz dual-channel DDR3 & DDR3L SDRAM unbuffered DIMMs support up to 16 GB
  Support for 1.5V/1.35V/1.25V DDR3
- BIOS
  UEFI BIOS
- Ethernet
  LAN1: Intel® I210-AT PCIe controller with NCSI support
  LAN2: Intel® I211-AT PCIe controller
- Graphics Engine
  AMD Radeon™ GPUs (Radeon™ HD 7000 series), supports DX11, UVD3
  H.264, VC-1, MPEG-2, DivX
  Direct X® 11, Open CL™ 1.1, OpenGL 4.2
- Display Output
  1 x HDMI (rear IO) (up to 1920x1080@60 Hz)
  1 x DVI-D (rear IO) (up to 1920x1080@60 Hz)
  1 x VGA (up to 1920x1200@60 Hz)
  1 x iDP interface for HDMI, LVDS, VGA, DVI, DP (up to 2560x1600@60 Hz)
- Audio
  Realtek ALC892 HD Audio codec (line-out, mic-in) (2x5 pin)
  1 x S/PDIF (1x4 pin)
  1 x Audio amplifier (2x3 watt)
- External I/O Interface
  1 x KB/MS
  1 x RS-232
  2 x USB 2.0
  2 x USB 3.0
- Internal I/O Interface
  1 x RS-232 (2x5 pin, P=2.00)
  1 x RS-422/485 (1x4 pin, P=2.00)
  4 x SATA 6Gb/s
  4 x USB 2.0 (2x4 pin, P=2.00)
- SMBus
  1 x SMBus (1x4 pin)
- Expansion
  1 x PCIe Mini card slot
  1 x SIM card socket
  1 x PCIe x8
  1 x SD card socket
- iRIS Remote Management Module
  1 x iRIS-2400 slot
- Watchdog Timer
  Software programmable, support 1~255 sec. system reset
- Digital I/O
  8-bit digital I/O (2x5 pin)
- LAN LED
  2 x LAN LED (1x2 pin)
- Infrared Interface
  1 x Infrared (1x5 pin)
- Fan Connector
  1 x CPU smart fan (1x4 pin)
  1 x System fan (1x3 pin)
- Power Supply
  20+4 ATX power
  Supports AT/ATX mode
- Power Consumption
  +12@2.45A, +5V@3.25A, 3.3@0.76A (AMD R-460H APU with two 8 GB 1600 MHz DDR3 memory)
- Operating Temperature
  0°C ~ 60°C
- Storage Temperature
  -10°C ~ 70°C
- Operating Humidity
  5% ~ 95%, non-condensing
- Dimensions
  170mm x 170mm
- Weight
  GW:900g, NW: 450g

Features

- Socket FS1r2 supports AMD Embedded R-Series APU
- 1066/1333/1600 MHz dual-channel DDR3 SDRAM
- Supports triple display via HDMI, DVI, VGA and iDP
- 3D micro-architecture enhancement supports DX11, OCL 1.1 and OGL4.2
- Rich media acceleration for hardware decode and encode acceleration
- High speed I/O interface for USB 3.0 and SATA 6Gb/s
- IEI jumper-less function
- Supports IPMI 2.0 via iRIS-2400 module

Packing List

1 x KINO-AA750-i2 single board computer	
1 x I/O shielding	1 x QIG
1 x SATA cable	1 x Utility CD

Ordering Information

Part No.	Description
KINO-AA750-i2-R10	Mini-ITX SBC supports Socket FS1r2 AMD R-series APU with A75, DDR3, HDMI, DVI-D, VGA, iDP, dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, HD Audio, iRIS-2400 and RoHS
iRIS-2400-R10	IPMI 2.0 adapter card with AST2400 BMC chip for DDR3 SO-DIMM socket interface
19800-000075-RS	PS/2 KB/MS Y-cable with bracket, 220mm
19800-000300-100-RS	RS-232 cable, 230mm (P=2.0 mm) with bracket
19800-003100-300-RS	Dual-port USB 2.0 cable with bracket
32102-000100-200-RS	SATA power cable, MOLEX 5264-4P to SATA15P
32205-003800-300-RS	RS-422/485 cable, 200mm
32801-000703-400-RS	SATA cable with power output cable
CF-989B-RS-R11	CPU cooler for 50W processor, aluminum
IO-KIT-001-R20	DVI and quad-port USB 2.0 adapter card, RoHS