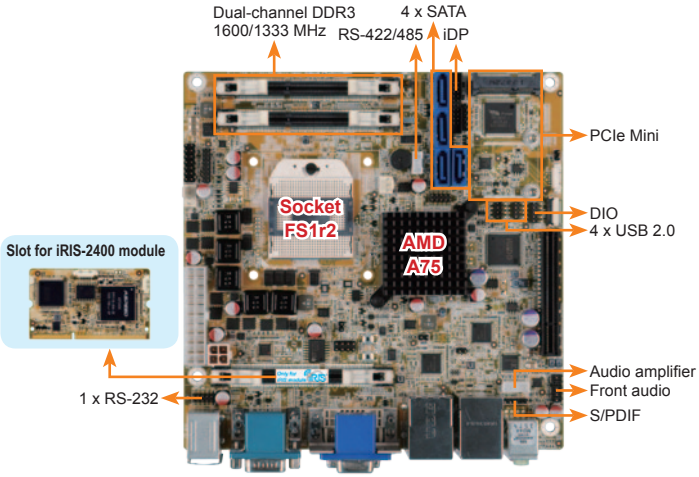
KINO-AA750-i2

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
  Support up to 4 displays
- Great graphics process
  Fulfill a variety of hardware decoders

Entertainment

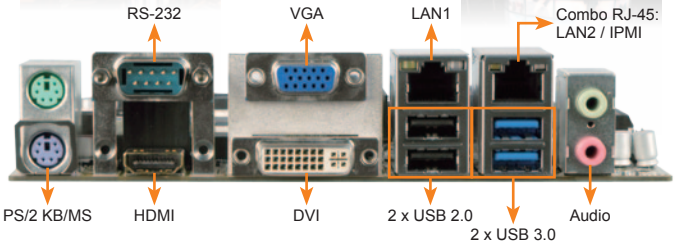
Digital Signage

R-series Solution

Gaming

Video Wall

Designed for high graphics performance



IPMI 2.0 Compliant | One Key Recovery | DDR3 1600

Jumper-less | Triple Display | USB 3.0 | SATA 6Gb/s | Dual GbE | IDP

Specifications

- CPU
  Socket FS1r2 supports AMD Embedded R-Series APU
- PCH
  AMD A75
- Memory
  Two 204-pin 1600/1333MHz dual-channel DDR3 & DDR3L SDRAM unbuffered DIMMs support up to 16GB
  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 2560 x 1600 @60 Hz)
- Audio
  Realtek ALC892 HD codec
  1 x Line-out/Mic-In audio jack on rear IO (rear IO)
  1 x S/PDIF pin header (1x4 pin)
  1 x Audio amplifier (2 x 3 watt)
  1 x Front audio (2x5 pin)
- I/O Interface
  2 x RS-232 — 1 x RS-422/485
  6 x USB 2.0 — 2 x USB 3.0
  4 x SATA 6Gb/s — 1 x PS/2 KB/MS
- SMBus
  1 x 4-pin wafer
- Expansion
  1 x PCIe Mini card slot — 1 x PCIe x8
  1 x SIM card socket — 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 (4-bit input, 4-bit output)
- LAN LED
  2 x 2-pin headers for LAN1 Link LED, LAN2 Link LED
- Infrared Interface
  1 x 5-pin header
- Fan Connector
  1 x 4-pin CPU fan connector
  1 x 3-pin system fan connector
- 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, 2 x 8GB 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

1. Socket FS1r2 supports AMD Embedded R-Series APU
2. 1066/1333/1600MHz dual-channel DDR3 SDRAM
3. Supports triple display via HDMI, DVI, VGA and iDP
4. 3D micro-architecture enhancements support for DX11, OCL 1.1 and OGL4.2
5. Rich media acceleration for hardware decode and encode acceleration
6. High speed I/O interface for USB 3.0 and SATA 6Gb/s
7. IEI jumper-less function
8. Supports IPMI 2.0 via iRIS-2400 module

Packing List

1 x KINO-AA750-i2 single board computer	
1 x SATA cable (P/N: 32801-000703-400-RS)	1 x Utility CD
1 x I/O shielding	1 x QIG

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
19800-003100-300-RS	Dual-port USB 2.0 cable with bracket
32205-003800-300-RS	RS-422/485 cable, 200mm
19800-000300-100-RS	RS-232 cable, 230mm (P=2.0 mm) with bracket
32801-000703-400-RS	SATA cable with power output cable
32102-000100-200-RS	SATA power cable, MOLEX 5264-4P to SATA15P
19800-000075-RS	PS/2 KB/MS Y-cable with bracket, 220mm
CF-989B-RS-R11	CPU cooler for 50W processor, aluminum
IO-KIT-001-R20	DVI and quad-port USB 2.0 adapter card, RoHS