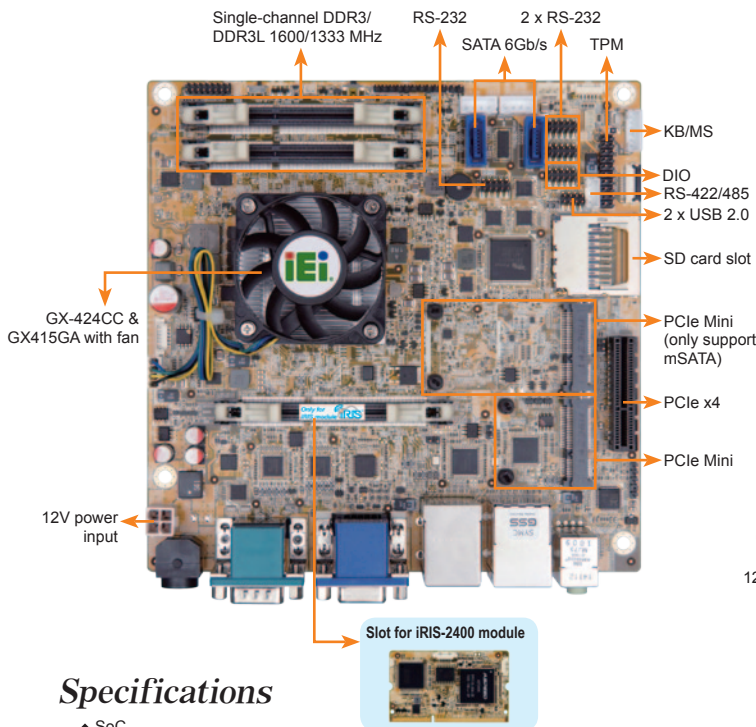


KINO-SE-i2 KBN-i2

Mini-ITX SBC with AMD® Embedded G-Series SoC with VGA/
Dual HDMI, Dual GbE, Dual PCIe Mini, USB 3.0, SATA 6Gb/s,
Audio, IPMI and RoHS



Specifications

- ◆ SoC
 - » AMD® Embedded G-Series "Stepple Eagle" SoC
 - GX-424CC on-board Soc (2.4GHz, quad-core, 2MB cache, TDP=25W)
 - GX-412HC on-board Soc (1.2GHz, quad-core, 2MB cache, TDP=7W)
 - GX-212JC on-board Soc (1.0GHz, dual-core, 1MB cache, TDP=6W)
 - GX-411GA on-board Soc (1.0GHz, quad-core, 2MB cache, TDP=15W)
 - GX-209HA on-board Soc (1.0GHz, dual-core, 1MB cache, TDP=9W)
 - » AMD® Embedded G-Series "eKabini" SoC
 - GX-415GA on-board Soc (1.5GHz, quad-core, 2MB cache, TDP=15W)
 - GX-210HA on-board Soc (1.0GHz, dual-core, 1MB cache, TDP=9W)
 - GX-420CA on-board Soc (2.0GHz, quad-core, 2MB cache, TDP=25W)
 - GX-217GA on-board Soc (1.65GHz, dual-core, 1MB cache, TDP=15W)
- ◆ BIOS: AMI UEFI BIOS
- ◆ Memory
 - Two 204-pin 1600/1333MHz dual-channel DDR3 & DDR3L SDRAM unbuffered SO-DIMM slots support up to 8GB
- ◆ Graphics Engine
 - Support DX11.1, OpenGL 4.1 and OpenCL 1.2
 - UVD4.2 decode for H.264, MPEG2/4, VC1, MVC
 - VCE 2.0 encode for H.264, VCE
- ◆ Display Output
 - Dual independent display
 - 2 x HDMI (up to 3840x2160@60Hz)
 - 1 x VGA (up to 2048x1536@60Hz)
- ◆ Ethernet
 - LAN1: Intel® I210-AT PCIe controller with NCSI support
 - LAN2: Intel® I211-AT PCIe controller
- ◆ External I/O Interfaces
 - 1 x RS-232
 - 2 x USB 2.0
 - 2 x USB 3.0
- ◆ Internal I/O Interfaces
 - 1 x KB/MS (1x6 pin)
 - 2 x USB 2.0 (2x4 pin, P=2.0)
 - 1 x RS-422/485 (1x4 pin, P=2.0)
 - 2 x SATA 6Gb/s with SATA power connector
 - 3 x RS-232 (2x5 pin, P=2.54)
- ◆ iRIS Remote Management Module: 1 x iRIS-2400 slot
 - ◆ SMBus: 1 x SMBus (1x4 pin)
 - ◆ TPM: 1 x TPM connector (2x10 pin)
 - ◆ Audio: Realtek AL892 HD Audio codec
 - 1 x S/PDIF by 4-pin (1x4) header for digital audio
 - 1 x Line-out / Mic-in audio jack on rear IO
- ◆ Front Panel
 - 1 x Front panel (2x7 pin, Power LED, HDD LED, Speaker, Power Button, Reset Button)
- ◆ LAN LED: 2 x LAN LED (1x2 pin)
- ◆ Expansion
 - 1 x Half-size PCIe Mini card slot
 - 1 x mSATA (colay SATA port2)
 - 1 x PCIe x4 slot
 - 1 x SD card
- ◆ Digital I/O: 8-bit digital I/O (2x5 pin)
- ◆ Fan Connector : 1 x System smart fan (1x4 pin)
- ◆ Watchdog Timer: Software programmable, support 1~255 sec. system reset
- ◆ Power Supply
 - 12V only DC input
 - 1 x Internal 4-pin (2x2) power connector
 - 1 x External DC jack (4-pin DIN)
 - Support AT/ATX mode
- ◆ Power Consumption
 - 12V@ 2.7A (AMD GX-424CC 2.4GHz CPU with 1600MHz 8GB DDR3 memory)
- ◆ Operating Temperature: -0°C ~ 60°C
- ◆ Storage Temperature: -30°C ~ 70°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 170mm x 170mm
- ◆ Weight: GW:600g/ NW:250g

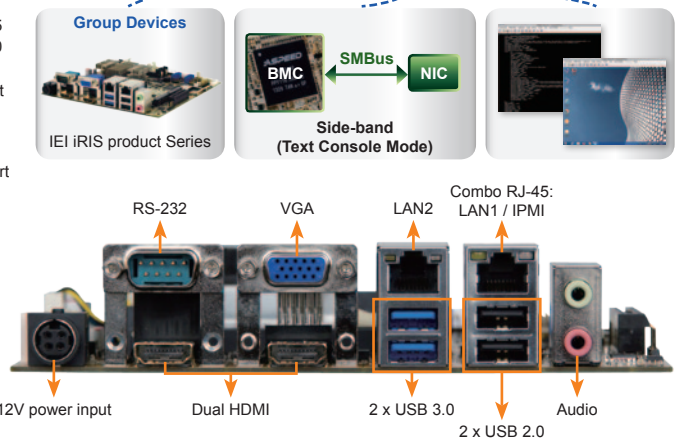
Remote Management Solution

Support iRIS-2400 module

- » Out-of-band control
- » Remote KVM function support
- » User friendly web-UI based



New



Features

- ◆ Mini-ITX form factor with AMD® Embedded G-Series SoC
- ◆ 12V only single voltage design for AT/ATX power
- ◆ Dual independent display by VGA, dual HDMI
- ◆ Supporting dual PCIe Mini card slot with mSATA, wireless card, DOM capabilities
- ◆ Support IPMI 2.0 through iRIS module
- ◆ IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Packing List

- 1 x KINO-SE-i2 single board computer with CPU cooler
- 1 x SATA with power output cable kit
- 1 x I/O shielding
- 1 x One Key Recovery CD
- 1 x QIG
- 1 x Utility CD

Ordering Information

| Part No. | Description |
|----------------------|--|
| KINO-SE-i2-4241-R10 | Mini-ITX SBC with 28nm AMD® GX-424CC on-board SoC (quad-core, 2.4GHz, 25W) with VGA/LVDS, Dual GbE, Dual PCIe Mini, USB 3.0, SATA 6Gb/s, iRIS-2400, Audio and RoHS |
| KINO-KBN-i2-4151-R10 | Mini-ITX SBC with 28nm AMD® GX-415GA on-board SoC (quad-core, 1.5GHz, 15W) with VGA/LVDS, Dual GbE, Dual PCIe Mini, USB 3.0, SATA 6Gb/s, iRIS-2400, Audio and RoHS |
| KINO-KBN-i2-2101-R10 | Mini-ITX SBC with 28nm AMD® GX-210HA on-board SoC (quad-core, 1.0GHz, 9W) with VGA/LVDS, Dual GbE, Dual PCIe Mini, USB 3.0, SATA 6Gb/s, iRIS-2400, Audio and RoHS |
| iRIS-2400-R10 | IPMI 2.0 adapter card with AST2400 BMC chip for DDR3 SO-DIMM socket interface |
| CB-USB02A-RS | Dual-port USB cable with bracket, 300mm, P=2.0 |
| 19800-000300-100-RS | RS-232 cable with bracket, 300mm, P=2.0 |
| 32205-003800-300-RS | RS-422/485 cable, 200mm, P=2.0 |
| TPM-IN01-R11 | 20-pin Infineon TPM module, software management tool, firmware V3.17 |

Note: Models with other CPUs not listed in the table are requested by MOQ - 100 pcs/lot.

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[GCS22.2.080.2.2.I](#) [GCS22.8.100.4.2.I](#) [GLS11.2.053.2.2.E](#) [A20-OLINUXINO-LIME-E16GS16M](#) [A20-OLINUXINO-LIME-S16M](#) [A20-](#)
[OLINUXINO-LIME2-E16GS16M](#) [A20-OLINUXINO-MICRO-S16M](#) [BANANA PI BPI-W2](#) [T2-OLINUXINO-LIME2-S16M-IND](#) [T2-](#)
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