

KINO-KBN-i2

Mini-ITX SBC with AMD® Embedded G-Series SoC



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

Specifications

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|-----------------------|--|
| CPU Cooler | |
| CPU Cooler | GX-415GA (with heatsink) |
| | GX-210HA (with cooler) |
| Display | |
| Display | Dual display supported |
| | 1 x VGA |
| | 2 x HDMI™ |
| Environment | |
| Humidity | 5% ~ 95% non-condensing |
| Operating Temperature | 0°C ~ 60°C (32°F ~ 140°F) |
| Expansion Slots | |
| Expansion Slots | 1 x Half-size PCIe Mini card slot |
| | 1 x PCIe x4 slot |
| I/O Interface | |
| Audio | Realtek ALC892 HD Audio codec |
| Digital I/O | 8-bit Programmable I/O (8-bit GPIO is for programming I/O) |
| Ethernet | LAN1: Intel® I210-AT PCIe controller |
| | with NCSI support |
| | LAN2: Intel® I211-AT PCIe controller |
| I/O Interface | 1 x RS-422/485 |
| | 4 x RS-232 |
| | 2 x USB 3.0 |
| | 4 x USB 2.0 |
| | 1 x 6-pin wafer for PS/2 KB/MS |
| I/O Interface | |
| I/O Interface | 2 x USB 3.0 |
| | 1 x RS-422/485 |
| | 4 x USB 2.0 |
| | 4 x RS-232 |
| Option | |
| iRIS | 1 x iRIS-2400 slot |
| Power | |

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|-----------------------|---|
| Power consumption | 12V@ 1.45A (AMD GX-415GA 1.5GHz CPU with 1333MHz 2GB DDR3 memory) |
| System | |
| Chipset | AMDR Embedded G-Series SoC |
| CPU | AMDR Embedded G-Series SoC |
| CPU Socket | On board |
| Memory Max. | Two 204-pin 1600/1333MHz dualchannel DDR3 & DDR3L SDRAM unbuffered DIMMs (system max. 8GB) |
| Storage | 2 x SATA 6Gb/s with SATA power connector 1 x mSATA (colay SATA port 2) 1 x SD card |
| Watchdog Timer | |
| Watchdog Timer | Software programmable and supports 1~255 sec. system reset |

Ordering Information

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| KINO-KBN-i2-4151-R10 | Mini-ITX SBC supports AMD® 28nm Quad-Core GX-415GA 1.5GHz (15W) on-board SoC with VGA/Dual GbE, Dual PCIe Mini, USB 3.0, SATA 6GB/s, iRIS-2400, audio and RoHS |
| KINO-KBN-i2-2101-R10 | Mini-ITX SBC supports AMD® 28nm Dual-Core GX-210HA 1.0GHz (9W) on-board SoC with VGA/Dual GbE, Dual PCIe Mini, USB 3.0, SATA 6GB/s, iRIS-2400, audio and RoHS |

Packing List

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|--|-------------------|
| 1 x KINO-SE-i2 single board computer with CPU cooler | 1 x I/O shielding |
| 1 x SATA with power output cable kit | 1 x QIG |