

# 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

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	

Power consumption	12V@ 1.45A (AMD GX-415GA 1.5GHz CPU with 1333MHz 2GB DDR3 memory)
<b>System</b>	
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
<b>Watchdog Timer</b>	
Watchdog Timer	Software programmable and supports 1~255 sec. system reset

## Ordering Information

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

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