

# KINO-SE-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            | N/A                                                              |
| Display               |                                                                  |
| Display               | Dual independent display                                         |
|                       | 2 x HDMI™ (up to 3840x2160@60Hz)                                 |
|                       | 1 x VGA (up to 2048x1536@60Hz)                                   |
| Environment           |                                                                  |
| Humidity              | 10% ~ 95%, non-condensing                                        |
| Operating Temperature | -0°C ~ 60°C                                                      |
| Expansion Slots       |                                                                  |
| Expansion Slots       | 1 x Half-size PCIe Mini card slot                                |
|                       | 1 x mSATA (colay SATA port2)                                     |
|                       | 1 x PCIe x4 slot                                                 |
|                       | 1 x SD card                                                      |
| I/O Interface         |                                                                  |
| 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                      |
| Digital I/O           | 8-bit digital I/O (2x5 pin)                                      |
| Ethernet              | LAN1: Intel® I210-AT PCIe controller with NCSI support           |
|                       | LAN2: Intel® I211-AT PCIe controller                             |
| I/O Interface         |                                                                  |
| I/O Interface         | 1 x Internal RS-422/485                                          |
|                       | 1 x RS-232                                                       |
|                       | 2 x Internal USB 2.0                                             |
|                       | 2 x USB 3.0                                                      |
|                       | 2 x USB 2.0                                                      |
|                       | 3 x Internal RS-232                                              |
| Option                |                                                                  |
| iRIS                  | 1 x iRIS-2400 slot                                               |
| Power                 |                                                                  |
| Power consumption     | 12V@ 2.7A (AMD GX-424CC 2.4GHz CPU with 1600MHz 8GB DDR3 memory) |

|                |                                                                                                     |
|----------------|-----------------------------------------------------------------------------------------------------|
| System         |                                                                                                     |
| CPU            | GX-424CC on-board Soc (2.4GHz, quad-core, 2MB cache, TDP=25W)                                       |
| CPU Socket     | On Board                                                                                            |
| Memory Max.    | Two 204-pin 1600/1333MHz dual-channel DDR3 & DDR3L SDRAM unbuffered SO-DIMM slots support up to 8GB |
| Storage        | 2 x SATA 6Gb/s with SATA power connector                                                            |
| Watchdog Timer |                                                                                                     |
| Watchdog Timer | Software programmable, support 1~255 sec. system reset                                              |

## Ordering Information

|                     |                                                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KINO-SE-i2-4241-R10 | Mini-ITX SBC supports AMD® 28nm Quad-Core GX-424CC 1.0GHz (25W) 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           |