

# NANO-GLX

EPIC SBC supports AMD® Embedded G-Series SoC with VGA/HDMI™/LVDS, Dual PCIe GbE, USB 3.0, PCIe Mini, SATA 6Gb/s, mSATA, COM, HD Audio and RoHS



## Features

- » AMD Embedded G-Series LX Family SOC's which is compatible with AMD Embedded G-Series "eKabini" and "Steppe Eagle" platform
- » Highly-competitive price, performance profiles and low power attributes
- » AMD Embedded G-Series LX Family SOC's support up to two display interfaces, enabling flexible multi-display configurability

## Specifications

| System                   |                                                                               |
|--------------------------|-------------------------------------------------------------------------------|
| CPU                      | AMD® Embedded G-Series "Steppe Eagle" SoC                                     |
|                          | GX-424CC on-board Soc (2.4GHz, quad-core, 2MB cache, TDP=25W)                 |
|                          | AMD® Embedded G-Series "eKabini" SoC                                          |
|                          | GX-415GA on-board Soc (1.5GHz, quad-core, 2MB cache, TDP=15W)                 |
|                          | AMD® Embedded G-Series "LX" SoC                                               |
|                          | GX-210KL on-board Soc (1.0GHz, dual-core, 1MB cache, TDP=4.5W)                |
| Memory                   | One 204-pin 1600/1333 MHz singlechannel DDR3 & DDR3L SDRAM unbuffered SO-DIMM |
| Memory Max.              | 8GB                                                                           |
| Physical Characteristics |                                                                               |
| Dimensions (LxWxH) (mm)  | 115 X 165                                                                     |
| Net Weight               | 350g                                                                          |
| Storage                  |                                                                               |
| Storage                  | 2 x SATA :6Gb/s with 5V SATA power connector(no RAID)                         |
| I/O Interface            |                                                                               |
| Display Output           | 1 x VGA :up to 2048x1536@60Hz                                                 |
|                          | 1 x HDMI™ :up to 3840x2160@60Hz                                               |
|                          | 1 x LVDS :18/24-bit dual-channel (up to 1920x1200@60Hz)                       |
| Audio                    | Description: Realtek ALC892 HD Audio codec                                    |
|                          | 1 x S/PDIF :1x4 pin                                                           |
|                          | 1 x Front Audio :2x5 pin                                                      |
| I/O Interface            | 5 x Internal RS-232 :2x5 pin, P=2.0                                           |
|                          | 1 x Internal RS-422/485 :1x4 pin, p=2.0                                       |
|                          | 2 x External USB 2.0                                                          |
|                          | 2 x External USB 3.2 Gen1x1                                                   |
|                          | 4 x Internal USB 2.0 :2x4 pin, p=2.0                                          |
|                          | 1 x PS/2 :1x6 pin                                                             |
| Expansion                | 1 x PCIe mini Card Slot :Full-size(supports mSATA co-ray SATA port 2)         |
| Other Features           |                                                                               |

|                       |                                                                       |
|-----------------------|-----------------------------------------------------------------------|
| TPM                   | 2x10 pin                                                              |
| iRIS                  | 1 X iRIS-1010 (By request)                                            |
| Power                 |                                                                       |
| Power Consumption     | 12V@1.02A (AMD GX-415GA 1.5GHz CPU<br>with 1600 MHz 8 GB DDR3 memory) |
| Power Supply          | 12V only DC input                                                     |
|                       | 1 x Internal power connector (2x2 pin)                                |
|                       | Support AT/ATX mode                                                   |
| Environment           |                                                                       |
| Operating Temperature | 0°C ~ 60°C                                                            |
| Storage Temperature   | -10°C ~ 70°C                                                          |
| Humidity              | 5% ~ 95%, non-condensing                                              |
| Certifications        |                                                                       |
| Safety & EMC          | CE/FCC compliant                                                      |

## Ordering Information

|                       |                                                                                                                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NANO-GLX-2101-R10     | EPIC SBC supports AMD 28nm dual core GX-210KL 1.0GHz (4.5W)on-board SoC with VGA/HDMI™/LVDS, Dual PCIe GbE, USB 3.0, Dual PCIe Mini, SATA 6Gb/s, mSATA , COM and Audio and RoHS               |
| NANO-GLX-2101-ECO-R10 | EPIC SBC supports AMD® 28nm dual core GX-210KL 1.0GHz (4.5W)on-board SoC with VGA/HDMI™/LVDS, Dual PCIe GbE, USB 3.0, Dual PCIe Mini, SATA 6Gb/s, mSATA , COM and Audio, ECO packing and RoHS |

## Packing List

|                                                    |                               |
|----------------------------------------------------|-------------------------------|
| 1x NANO-GLX single board computer with heatsreader | 1 x Audio cable               |
| 2 x RS-232 cable 1 x Power cable                   | 2 x SATA with power cable kit |
| 1 x QIG.                                           |                               |