

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 SOCs 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 SOCs 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 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

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|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. | |