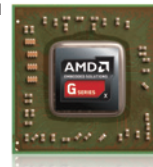
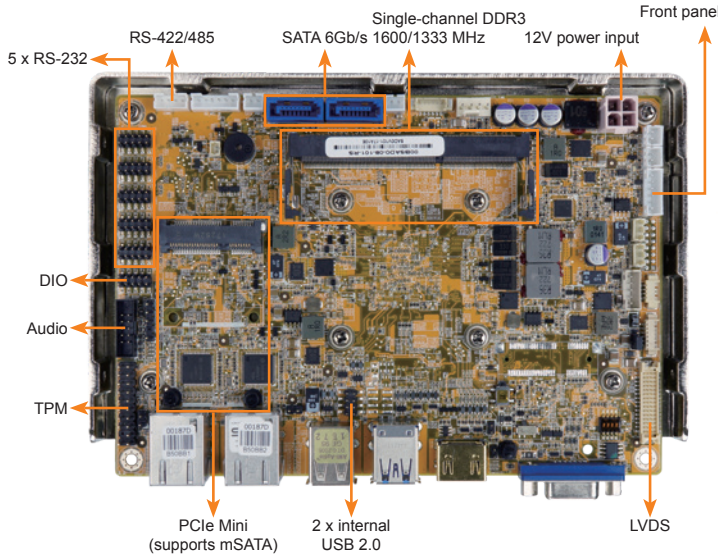


NANO-GLX

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

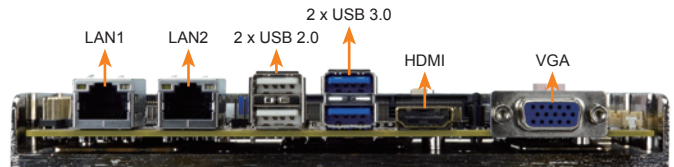


Lower thermal design with dual display solution

- 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



Multiple screw mounting holes provide flexibility for all thermal solutions.



Applications



New AMD™ solution for parking system and industrial control, automation, digital gaming.

Specifications

- ◆ SoC
 - AMD® Embedded G-Series "LX" SoC
 - GX-218GL on-board Soc (1.8GHz, dual core, 1MB cache, TDP=15W)
 - GX-215GL on-board Soc (1.5GHz, dual core, 1MB cache, TDP=15W)
 - GX-210KL on-board Soc (1.0GHz, dual core, 1MB cache, TDP=4.5W)
- ◆ BIOS
 - AMI UEFI BIOS
- ◆ Memory
 - One 204-pin 1600/1333 MHz single-channel DDR3 & DDR3L SDRAM unbuffered SO-DIMM slot supports up to 8 GB
- ◆ Graphics Engine
 - Support DirectX® 11.2, OpenGL 4.1 and OpenCL1.2
 - UVD4.2 decode for H.264, MPEG2/4, VC1, MVC
 - VCE 2.0 encode for H.264, VCE
- ◆ Display Output
 - Dual independent display
 - 1 x VGA (up to 2048x1536@60Hz)
 - 1 x HDMI (up to 3840x2160@60Hz)
 - 1 x 18/24-bit dual-channel LVDS (up to 1920x1200@60Hz)
- ◆ Ethernet
 - LAN1: Intel® I210-AT PCIe controller with NCSI support
 - LAN2: Intel® I211-AT PCIe controller
- ◆ External I/O Interface
 - 2 x USB 2.0
 - 2 x USB 3.0
- ◆ Internal I/O Interface
 - 1 x KB/MS (1x6 pin)
 - 1 x RS-422/485 (1x4 pin, P=2.0)
 - 2 x USB 2.0 (2x4 pin, P=2.0)
 - 5 x RS-232 (2x5 pin, P=2.0)
 - 2 x SATA 6Gb/s with 5V SATA power connector (no RAID)
- ◆ TPM
 - 1 x TPM (2x10 pin)
- ◆ SMBus
 - 1 x SMBus (1x4 pin)
- ◆ I²C
 - 1 x I²C (1x4 pin)
- ◆ Audio
 - Realtek ALC892 HD Audio codec
 - 1 x Front audio (2x5 pin)
 - 1 x S/PDIF (1x4 pin)
- ◆ Front Panel
 - 1 x Power LED & HDD LED (1x6 pin)
 - 1 x Power button (1x2 pin)
 - 1 x Reset button (1x2 pin)
- ◆ LAN LED: 2 x LAN LED (1x2 pin)
- ◆ Expansion:
 - 1 x Full-size PCIe Mini card slot (supports PCIe, SATA signal co-lay SATA port 2)
- ◆ Watchdog Timer: Software programmable, support 1~255 sec. system reset
- ◆ Digital I/O: 8-bit digital I/O (2x5 pin)
- ◆ Fan Connector: 1 x System smart fan (1x4 pin)
- ◆ Power Supply
 - 12V only DC input
 - 1 x Internal power connector (2x2 pin)
 - Support AT/ATX mode
- ◆ Power Consumption
 - 12V@2.29A (AMD GX-210KL 1.0GHz with 1600 MHz 4 GB DDR3 memory)
- ◆ Operating Temperature: 0°C ~ 60°C
- ◆ Storage Temperature: -10°C ~ 70°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 115mm x 165mm
- ◆ Weight: GW: 850g / NW: 350g

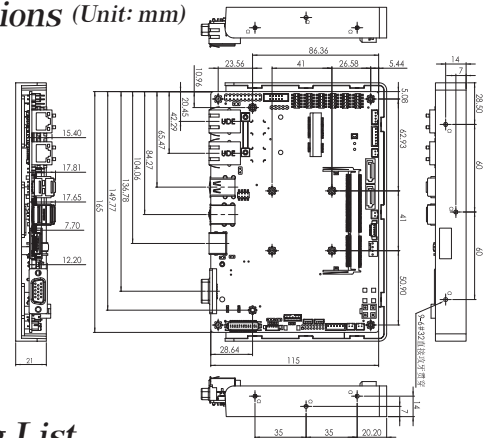
Features

- EPIC SBC supports AMD® Embedded G-Series SoC
- Dual independent display support
- HD Audio supported by S/PDIF
- COM, USB 3.0, SATA 6Gb/s PCIe Mini, mSATA and audio supported
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery



TPM 1.2 Support

Dimensions (Unit: mm)



Packing List

NANO-GLX single board computer with heatspreader

QIG

* ECO packing for 10pcs SBC per box, each box includes one QIG except connection cables.

Ordering Information

Part No.	Description
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

Note: Models with other CPUs not listed in the table are requested by MOQ - 100 pcs/lot.