**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)
  - 2 x USB 2.0 (2x4 pin, P=2.0)
  - 5 x RS-232 (2x5 pin, P=2.0)
  - 1 x RS-422/485 (1x4 pin, P=2.0)

- **TPM**
  - 1 x TPM (2x10 pin)

- **SMBus**
  - 1 x SMBus (1x4 pin)
  - 1 x I²C (1x4 pin)
  - 1 x PC (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)
  - 2 x USB 2.0
  - 1 x LAN LED (2x 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@2.9A (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

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**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

**Applications**

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

**Dimensions (Unit: mm)**

- **Ordering Information**

**Packing List**

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

**Ordering Information**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>NANO-GLX-2101-ECO-R10</td>
<td>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)</td>
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Note: Models with other CPUs not listed in the table are requested by MOQ - 100 pcs/lot.