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

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 heatspreader	1 x Audio cable
2 x RS-232 cable 1 x Power cable	2 x SATA with power cable kit
1 x QIG.	