

# EmNANO-a56M0

## AMD G-Series SoC GX-210HA Dual Core COM Express® Mini Type 10 CPU Module



### Features

- Soldered onboard AMD G-Series SoC GX-210HA dual-core
- Integrated Gigabit Ethernet
- Single Channel 18-bit LVDS and 1 x DDI port
- Supporting Dual Independent Displays
- **Extended Operating Temp.: -20 ~ 70°C**

### System

CPU	Soldered onboard AMD G-Series SoC GX-210HA dual-core 1.0Ghz
Memory	Soldered onboard 2GB DDR3L SDRAM
BIOS	AMI UEFI BIOS
Watchdog Timer	1~255 levels reset

### I/O

USB Port	8 x USB 2.0 ports
Digital I/O	8-bit programmable digital input/output
Expansion Bus	3 x PCIe x1 Generation 2 lanes SPI, and LPC (Low Pin Count) interface

Storage	2 x Serial ATA ports
Ethernet Chipset	1 x Realtek RTL8111E PCIe GbE controller
Audio	HD Audio link

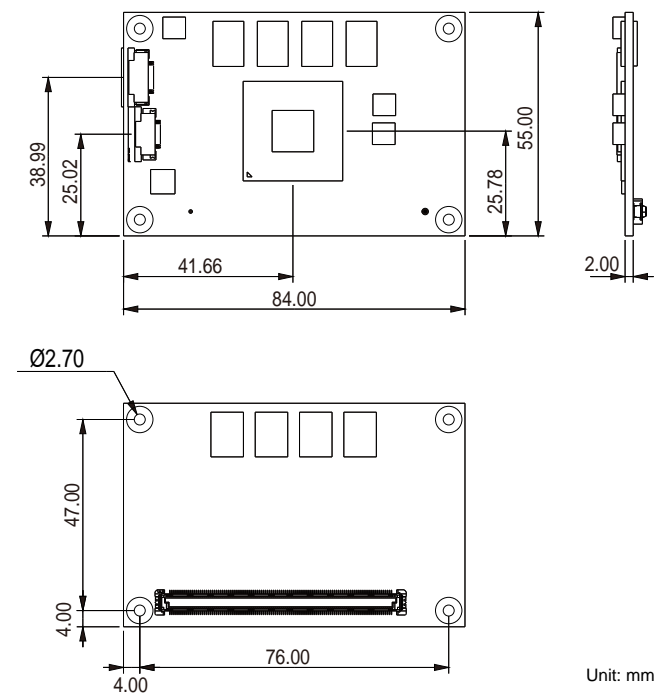
### Display

Graphic Chipset	Integrated in 210HA Kabini
Graphic Interface	LCD: Single Channel 18-bit LVDS up to 1400 x 1050 @60Hz Analog RGB supports by FPC connector (Optional) 1 x DDI port

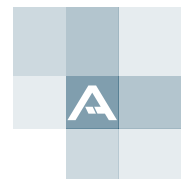
### Mechanical & Environmental

Power Requirement	+12V
Power Consumption	1.08A@+12V (Typical)
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	10 ~ 95% @ 70°C (non-condensing)
Dimensions (L x W)	84 x 55 mm (3.30" x 2.17")

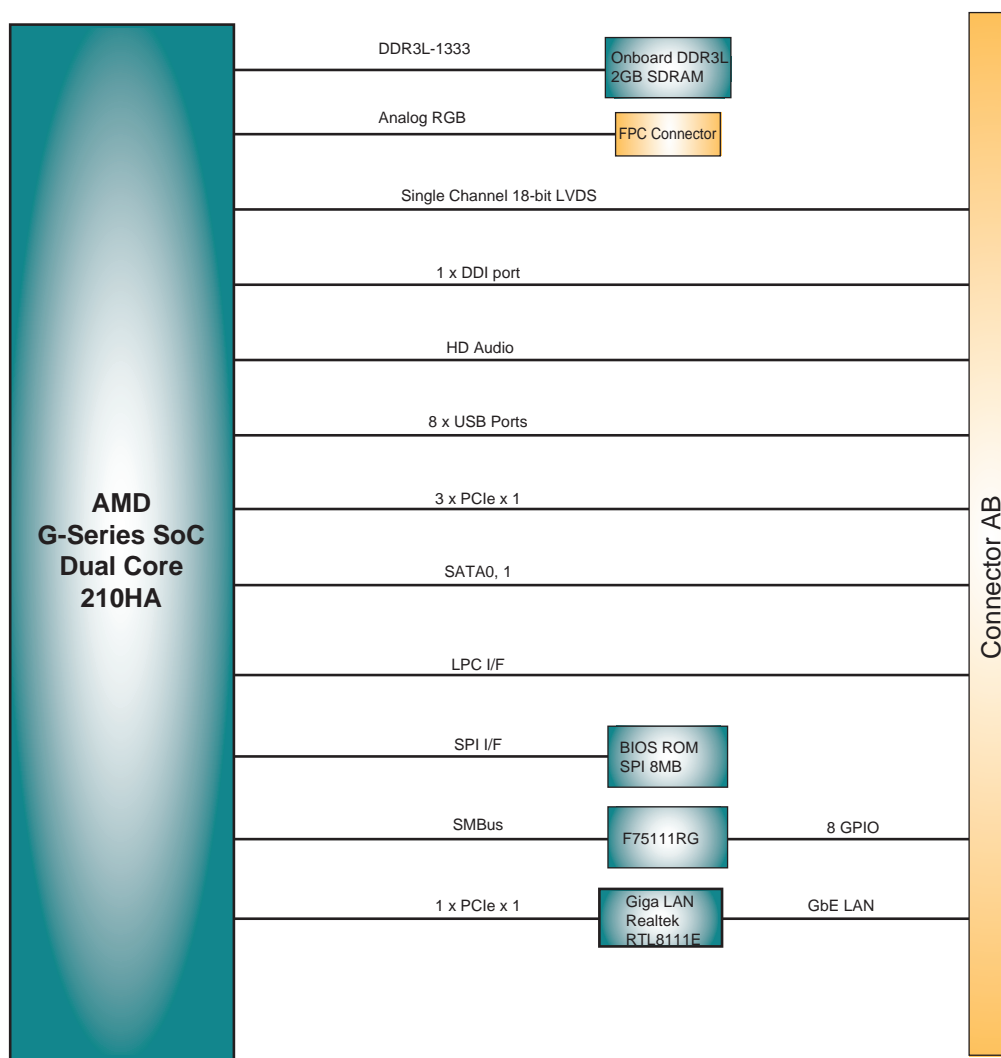
### Dimensions



Unit: mm



## Block Diagram



### Ordering Information

EmNANO-a56M0-210HA	COM Express® Mini Type 10 CPU Module with AMD G-Series SoC Dual Core 210HA and 2GB memory soldered on module
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### Optional Accessories

HS-56M0-F1	Heat spreader
HS-56M0-C1	Heat spreader with fan
PBN-9007	COM Express® Mini evaluation carrier board (EPIC form factor)
CBK-05-9007-00	Cable Kit 1 x USB cable 1 x COM-port cable 1 x SATA cable 1 x SATA power cable 1 x PS/2 cable