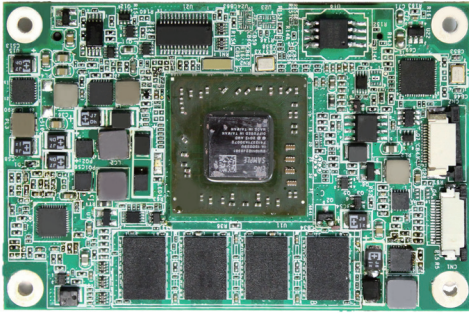


# EmNANO-a56M0

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



### Features

- Soldered onboard AMD G-Series SoC Dual Core 210HA processor
- 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** AMD G-Series SoC Dual Core 210HA

**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 Gen2 lanes  
SPI, and LPC (Low Pin Count) interface

**Storage** 2 x Serial ATA ports

**Ethernet Chipset** 1 x Realtek RTL8111E PCIe GbE controller

**AUDIO/ Interface** HD AUDIO link

### Display

**Graphics Chipset** Integrated in 210HA Kabini

**Graphics Interface** LCD: Single Channel 18-bit LVDS up to 1400 x 1050 @60Hz

1 x DDI port

### Mechanical & Environmental

**Power Requirement** +12V

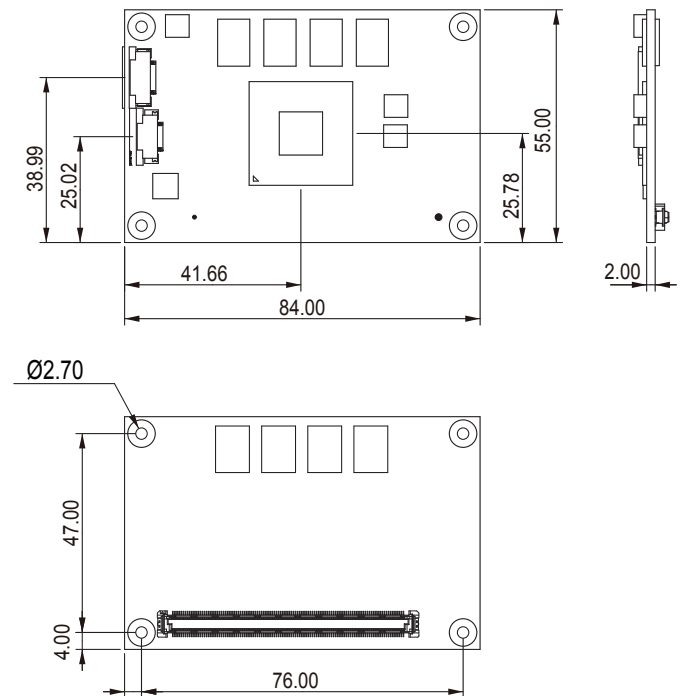
**Power Consumption** 1.08A@+12V (Typical)

**Operating Temp.** -20 ~ 70°C (-4 ~ 158°F)

**Operating Humidity** 0 ~ 90% (non-condensing)

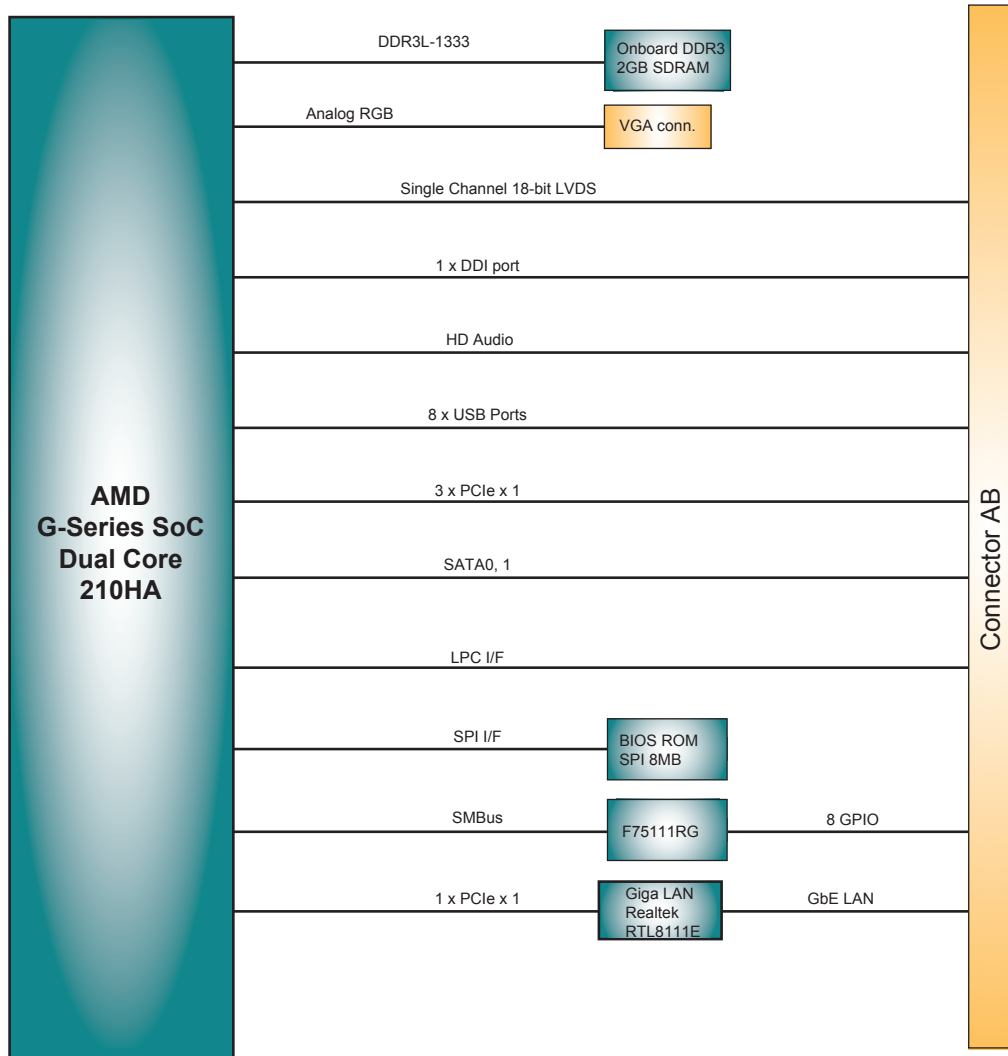
**Dimensions (L x W)** 84 x 55 mm (3.30" x 2.17")

### Dimensions



Unit: mm

## Block Diagram



## Ordering Information

<b>EmNANO-a56M0-210HA</b>	COM Express® Mini Type 10 CPU Module with AMD G-Series SoC Dual Core 210HA and 2GB memory soldered on module
<b>HS-56M0-F1</b>	Heat spreader
<b>HS-56M0-C1</b>	Heat spreader with fan
<b>PBN-9007</b>	COM Express® Mini evaluation carrier board (EPIC form factor)
<b>CBK-05-9007-00</b>	Cable Kit 1 x USB cable 1 x serial port cable 1 x SATA cable 1 x SATA power cable 1 x PS/2 cable

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