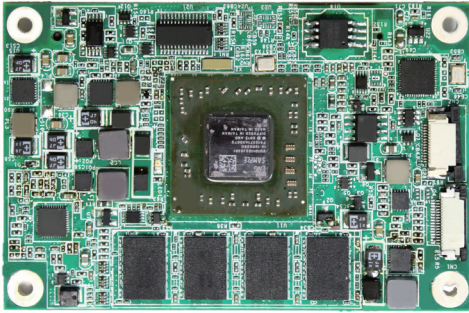


# EmNANO-a56M0

## 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

<b>CPU</b>	AMD G-Series SoC Dual Core 210HA
<b>Memory</b>	Soldered onboard 2GB DDR3L SDRAM
<b>BIOS</b>	AMI® UEFI BIOS
<b>Watchdog Timer</b>	1~255 levels reset

### I/O

<b>USB Port</b>	8 x USB 2.0 ports
<b>Digital I/O</b>	8-bit programmable Digital Input/Output
<b>Expansion Bus</b>	3 x PCIe x1 Gen2 lanes SPI, and LPC (Low Pin Count) interface

<b>Storage</b>	2 x Serial ATA ports
<b>Ethernet Chipset</b>	1 x Realtek RTL8111E PCIe GbE controller
<b>AUDIO/ Interface</b>	HD AUDIO link

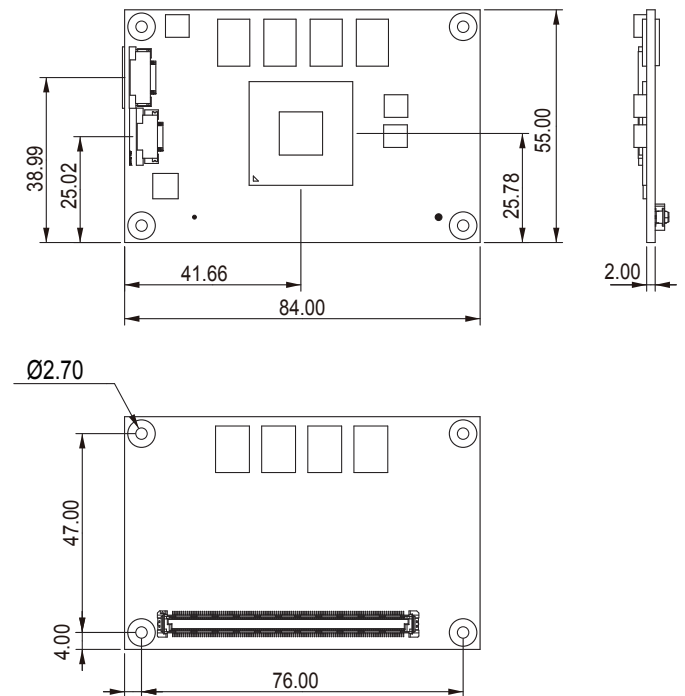
### Display

<b>Graphics Chipset</b>	Integrated in 210HA Kabini
<b>Graphics Interface</b>	LCD: Single Channel 18-bit LVDS up to 1400 x 1050 @60Hz 1 x DDI port

### Mechanical & Environmental

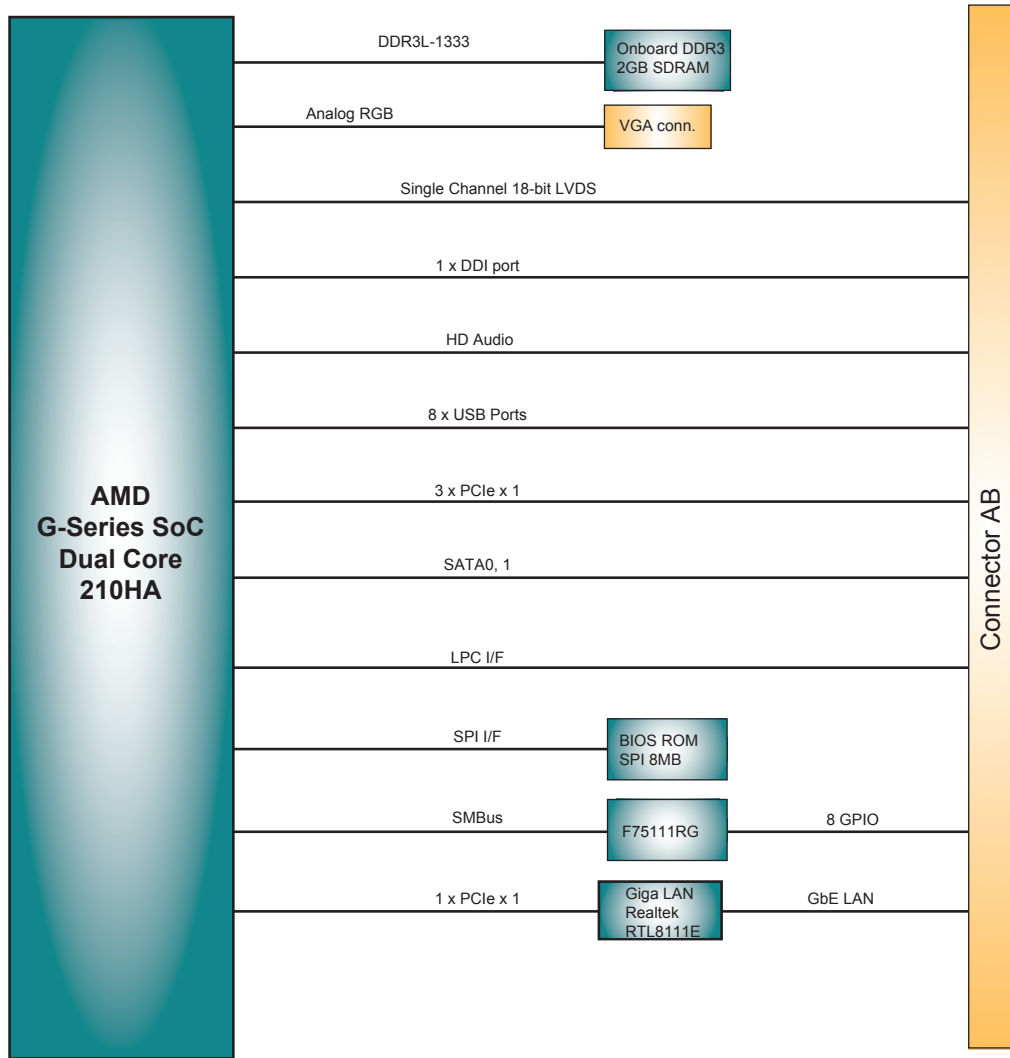
<b>Power Requirement</b>	+12V
<b>Power Consumption</b>	1.08A@+12V (Typical)
<b>Operating Temp.</b>	-20 ~ 70°C (-4 ~ 158°F)
<b>Operating Humidity</b>	0 ~ 90% (non-condensing)
<b>Dimensions (L x W)</b>	84 x 55 mm (3.30" x 2.17")

### 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