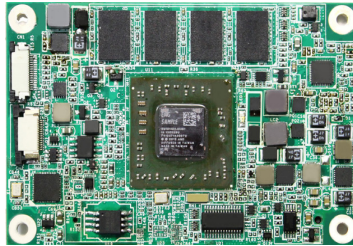




# EmNANO-a56M0



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



## Features

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

## System

Processor	Soldered onboard AMD G-Series Processor GX-210HA 1.0GHz
Memory	Soldered onboard 2GB DDR3L SDRAM
BIOS	AMI BIOS
Watchdog Timer	1~255 levels reset

## I/O

USB 2.0	8 x USB 2.0 ports
USB 3.0	2 x USB 3.0 ports
Expansion	3 x PCIe1, LPC
Storage	2 x Serial ATA ports with 600MB/s HDD transfer rate
Ethernet Chipset	1 x Realtek RTL8111E PCIe GbE controller
Digital I/O	8-bit Programmable
Audio	HD link

## Display

Graphic Chipset	Integrated Radeon HD 8210E Graphics
Graphic Interface	Analog RGB/DVI: Analog RGB by FPC conn. (OEM request) LCD: Single Chennel 18-bit LVDS, with resolution up to 1400x1050 DDI port: 1 x DDI port

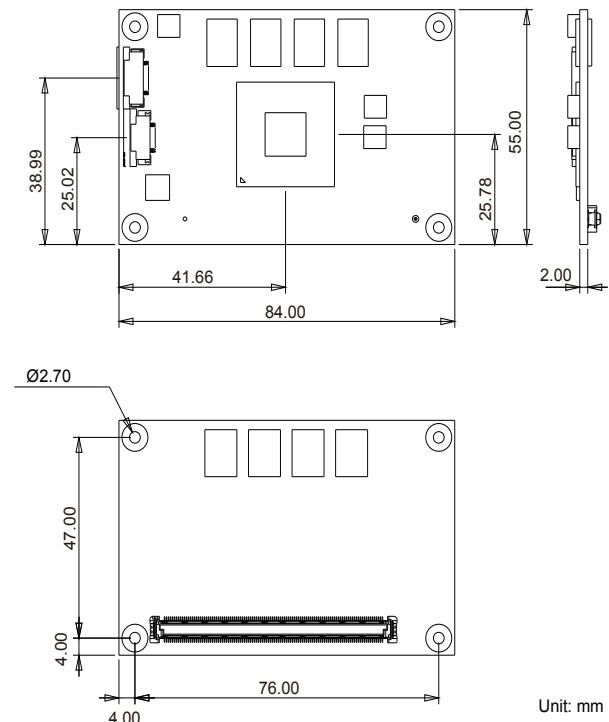
## OS Support

Windows 7 32-bit/64-bit  
Windows 8 32-bit/64-bit  
Linux: Ubuntu

## Mechanical & Environmental

Power Requirement	DC 12V, 5VSB
Power Consumption	1.08A@12V (Typical, with PBN-9007)
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

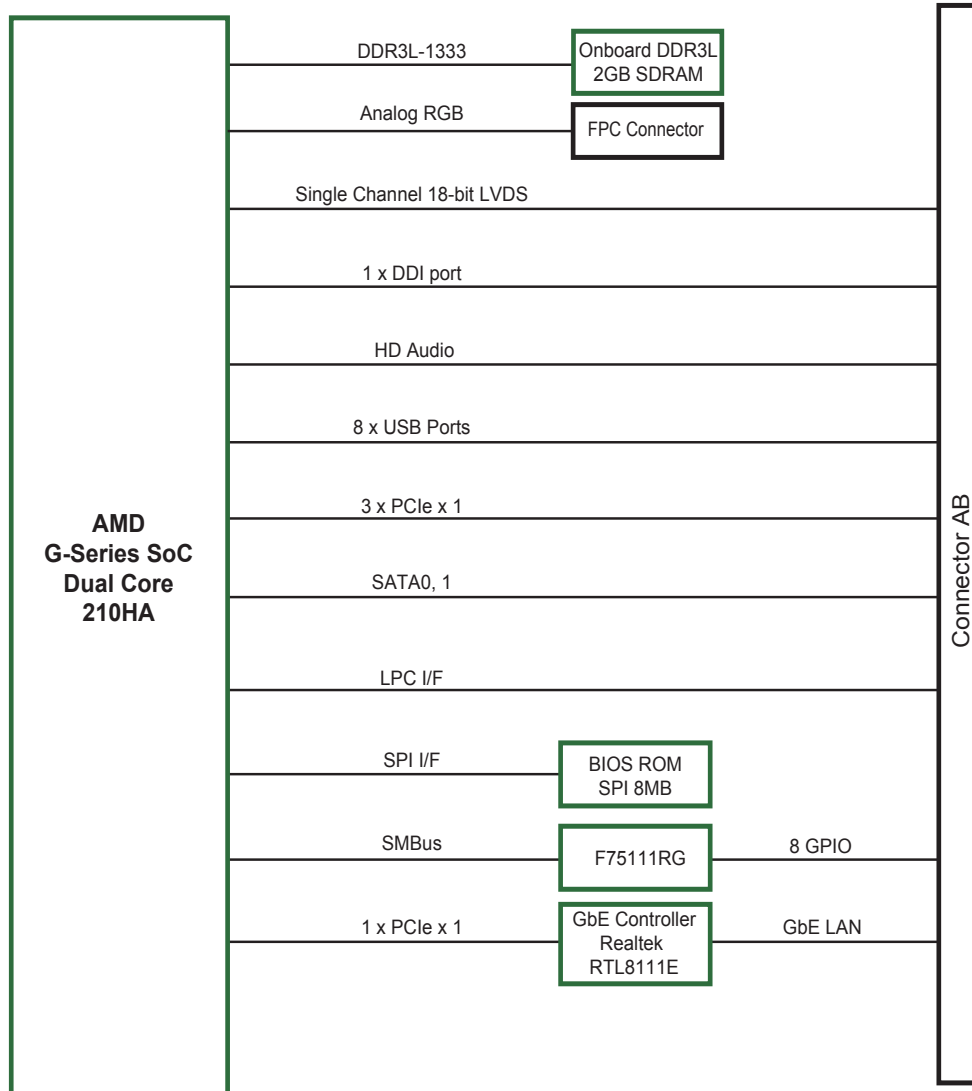


Unit: mm

Computer on Module



**Block Diagram**



**Ordering Information**

EmNANO-a56M0-210HA	AMD GX-210HA DC COM Express® Mini Type 10 module with 2GB memory soldered on CPU module
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**Optional Accessories**

HS-56M0-F1	Heat spreader 84x55x11mm
HS-56M0-C1	Heat sink with FAN 84x55x32.5mm
PBN-9007	COM Express® Mini Type 10 carrier board
CBK-05-9007-00	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

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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