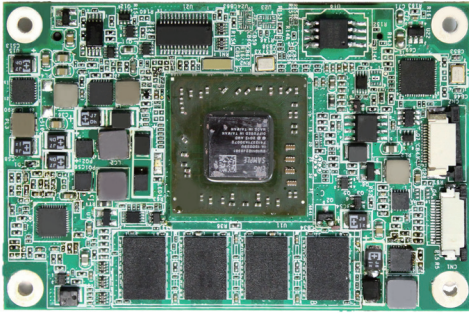


EmNANO-a56M0

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

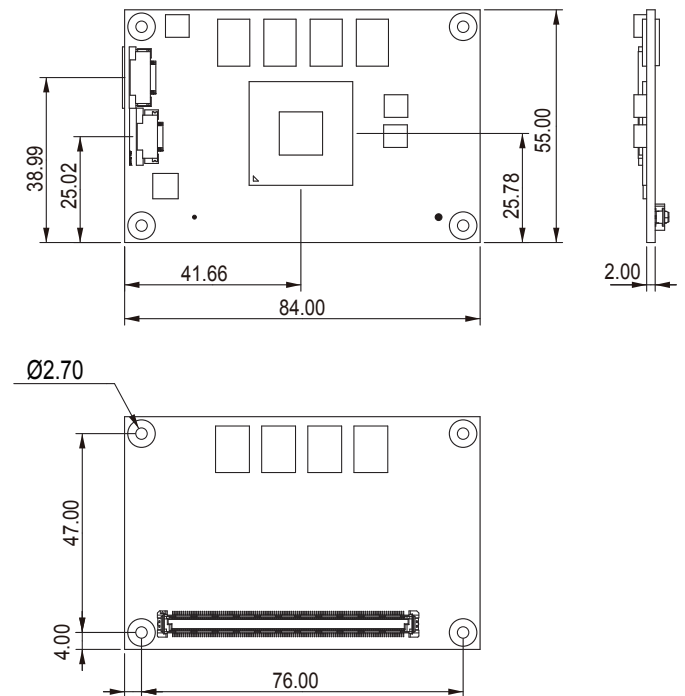
Display

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

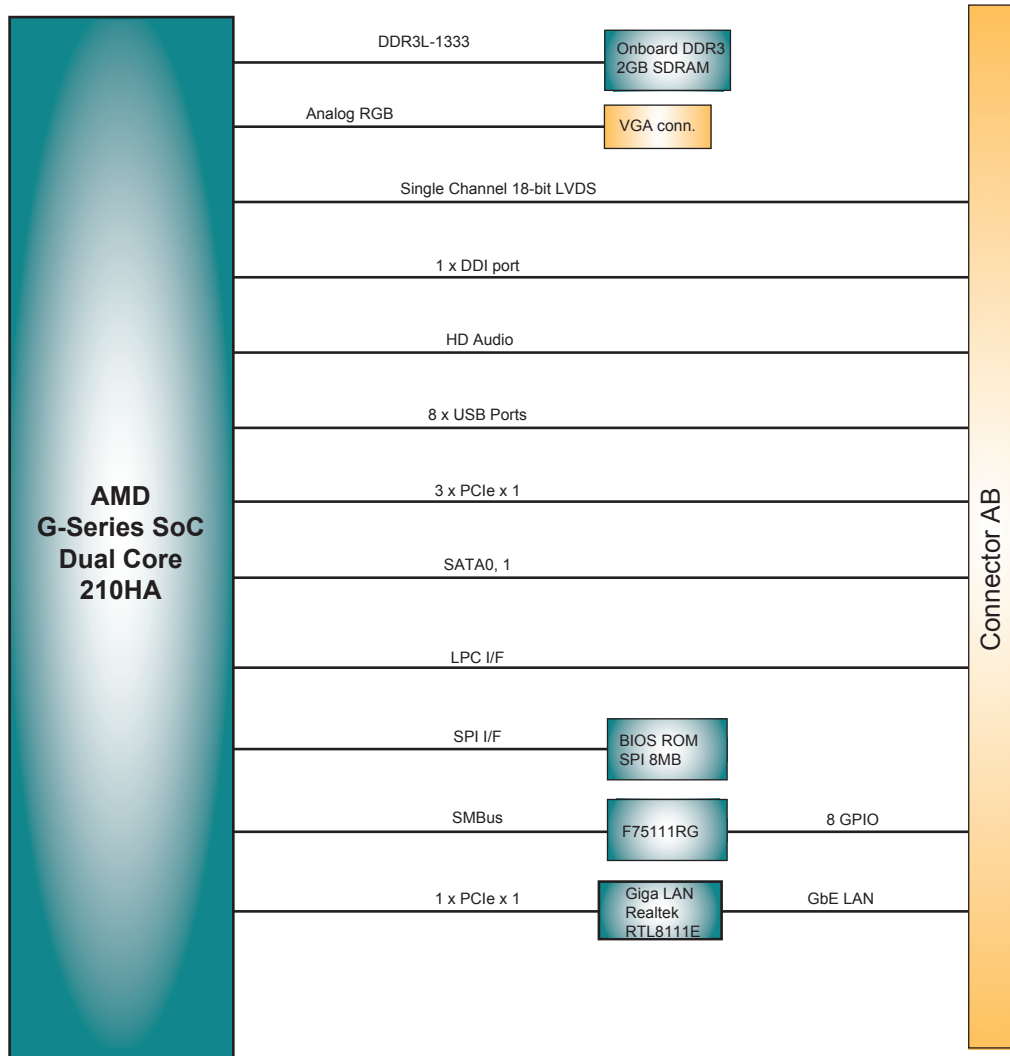
Power Requirement	+12V
Power Consumption	1.08A@+12V (Typical)
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	0 ~ 90% (non-condensing)
Dimensions (L x W)	84 x 55 mm (3.30" x 2.17")

Dimensions



Unit: mm

Block Diagram



Ordering Information

EmNANO-a56M0-210HA	COM Express® Mini Type 10 CPU Module with AMD G-Series SoC Dual Core 210HA and 2GB memory soldered on module
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 serial port cable 1 x SATA cable 1 x SATA power cable 1 x PS/2 cable