



Features

- Onboard AMD Embedded G-Series Quad-core GX-415GA 1.5GHz SoC (Optional GX-217GA 1.6GHz/GX-210HA 1.0GHz)
- One 204-pin DDR3 SODIMM Socket Supports Up to 8GB DDR3 1600 SDRAM
- Dual View (HDMI, LVDS, VGA)
- Dual Gigabit Ethernet, HD Audio
- 2 SATA III, 1 Mini PCIe, 1 CF
- 2 USB 3.0, 6 USB 2.0, 2 COM, 8-bit DIO



Specifications

System

CPU	Onboard AMD Embedded G-Series Quad-core GX-415GA 1.5GHz SoC (Optional GX-217GA 1.6GHz/ GX-210HA 1.0GHz)
BIOS	AMI uEFI BIOS, 32Mbit SPI Flash ROM
System Chipset	AMD SoC Integrated
I/O Chip	IT8518VG
System Memory	One 204-pin DDR3 SODIMM Socket Supports Up to 8GB DDR3 1600 SDRAM
SSD	One CompactFlash Type I/II Socket (Support InnoDisk CF-SATA)
Watchdog Timer	Reset: 1sec. ~ 65535sec.
H/W Status Monitor	Monitoring System Temperature, Voltage. with Auto Throttling Control
Expansion	1 x Mini PCIe (mSATA Supported)

I/O

MIO	2 x SATA III, 1 x RS-232, 1 x RS-232/422/485, 1 x K/B & Mouse
USB	2 x USB 3.0, 6 x USB 2.0
DIO	4-bit GPI, 4-bit GPO

Display

Chipset	AMD SoC Integrated Graphics
Resolution	CRT Mode: 1920 x 1200 @ 60Hz HDMI Mode: 1920 x 1080 @ 60Hz LCD/Simultaneous Mode: 1920 x 1080 @ 60Hz (Through eDP)
Multiple Display	CRT + LVDS, HDMI + LVDS, CRT + HDMI
LCD Interface	Dual-channel 18/24-bit LVDS

Built-in Touch Screen (Optional)

Chipset	PenMount 6000
Touch Screen Interface	With 9-pin 2mm Box Header (Can be Selected to Support 4/5/8-wire Touch Screen)

Audio

HD Codec	Realtek ALC892 Supports 5.1-CH Audio
Audio Interface	Mic-in, Line-in, Line-out

Ethernet

LAN	2 x Realtek 8111E Gigabit Ethernet
Ethernet Interface	10/100/1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

Power Requirement	+12V ~ +26V
ACPI	Single Power ATX Support S0, S3, S5 ACPI 3.0 Compliant
Power Type	AT/ATX
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Size (L x W)	5.7" x 4" (146mm x 101mm)
Weight	0.44lbs (0.2kg)

Ordering Information

ECM-KA
AMD G-Series SoC Platform 3.5" Micro Module
ACC-CF-xx
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512MB, 1, 2, 4, 8GB)
ACC-MEM-xx
Memory Series (xx = Capacity, Capacity Option: 256, 512MB, 1, 2GB)