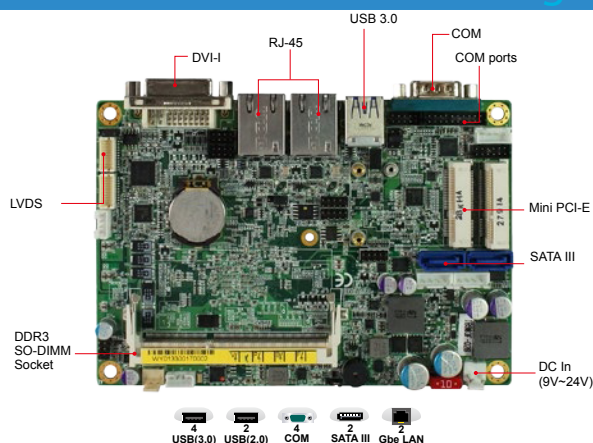


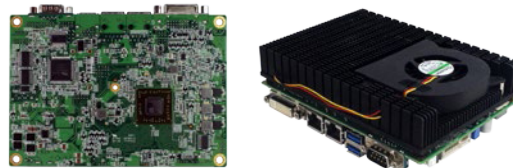
IB903

AMD G-Series with Radeon HD 8000-series gpu over Jaguar x86 platform and disk-size sbc



Features

- Onboard AMD Embedded G-series SoC
- 1x DDR3/ DDR3L SO-DIMM, Max. 8GB
- Supports DVI-I and 24-bit dual channel LVDS
- 2x Realtek RTL8111G-CG PCI-E Gigabit LAN
- Watchdog timer, Digital I/O, mSATA, iSMART
- 2x USB3.0, 4x USB 2.0, 4x COM, 2x SATA III



System

CPU type	IB903F-Q2G: AMD Embedded G-series GX-420CA SoC (2.0GHz, 2MB cache)
	IB903F-16: AMD Embedded G-series GX-217GA SoC (1.6GHz, 1MB cache)
System Memory	1x DDR3/ DDR3L SO-DIMM, Max. 8GB (Non-ECC)
System Chipset	Integrated in APU
BIOS	AMI
Watchdog Timer	256 levels
SSD	1x mSATA (Thru Mini PCI-E)
H/W Monitor	Yes
Expansion Slot	2x Mini PCI-E

Graphics

VGA Controller	AMD Embedded G-series SoC built-in GPU (AMD Radeon™ HD8000 series)
VGA Memory	Shared memory
LCD Interface	Supports DVI-I and 24-bit dual channel LVDS

LAN

Controller	2x Realtek RTL8111G-CG PCI-E Gigabit LAN
Connector	2x RJ-45 on board

Multi I/O

Chipset	Fintek F81846AD-I 1x RS232/422/485 (Jumperless selection), 3x RS232, 2x SATAIII
USB	2 ports USB 3.0 onboard 4 ports USB 2.0 via pin header
Audio	AMD Embedded G-series SoC built-in audio controller w/ Realtek ALC269Q-VC2-GR HD codec w/class-D speaker amplifier
Others	Digital I/O, +9V~+24V DC In, iSMART

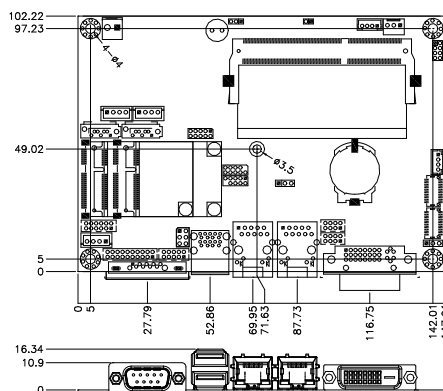
Mechanical and Environmental

Dimensions	102mm x 147mm (4" x 5.8")
Max. Power Requirement	AMD GX-420CA SoC with Radeon™ HD Graphics 2.00GHz w/Unigen 2GB DDR3-1333 +12V: 2.91A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	10%~90% (non-condensing)

Ordering Information

IB903F-Q2G	AMD Embedded G-series GX-420CA SoC (2.0GHz) 3.5-inch Disk Size SBC w/ DVI-I & LVDS (24-bit dual channel), dual PCI-E Gigabit LAN, mSATA, iSMART
IB903F-16	AMD Embedded G-series GX-217GA SoC (1.6GHz) 3.5-inch Disk Size SBC w/ DVI-I & LVDS (24-bit dual channel), dual PCI-E Gigabit LAN, mSATA, iSMART
IB68A	Cable kit for IB903F series, w/ SATA + power cable, COM, USB, power cable
HSIB903-BGA	Heatsink w/ fan for IB903F series

Dimensions Drawing



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