

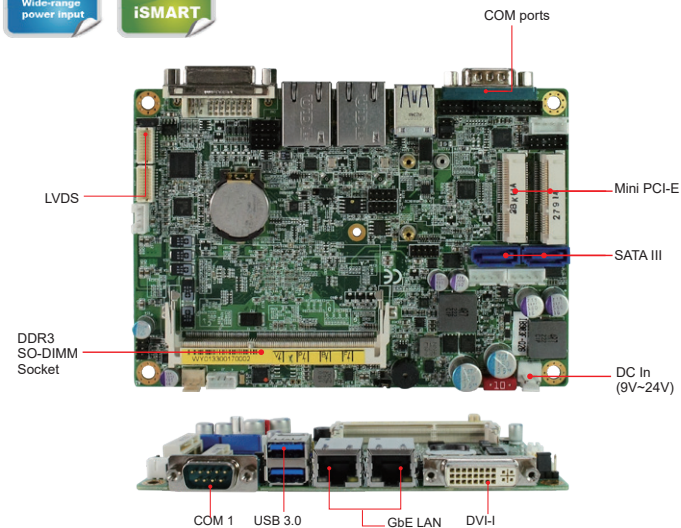


1 CPU Modules

2 Single Board Computers

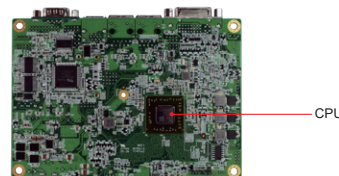
3 Motherboards

4 CPU Cards



## Features

- Onboard AMD Embedded G-Series processor
- 1x DDR3/ DDR3L SO-DIMM, Max. 8GB
- Supports DVI-I and 24-bit dual-channel LVDS
- 2x Realtek RTL8111G-CG Gigabit LAN
- Watchdog timer, Digital I/O, mSATA, iSMART
- 2x USB 3.0, 4x USB 2.0, 4x COM, 2x SATA III



## Specifications

CPU	IB903FC-Q24: GX-424CC SoC (2.4GHz, 2MB cache) IB903FC-12: GX-212JC SoC (1.2GHz, 1MB cache) IB903F-Q2G: GX-420CA SoC (2.0GHz, 2MB cache) IB903F-Q15: GX-415GA SoC (1.5GHz, 2MB cache) IB903F-16: GX-217GA SoC (1.65GHz, 1MB cache)
PCH	Integrated in APU
Memory Type	1x DDR3/ DDR3L SO-DIMM, Max. 8GB (Non-ECC)
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	1x mSATA (Thru Mini PCI-E)
Mini Type Slots	2x Mini PCI-E
Graphics Controller	AMD Embedded G-Series SoC built-in GPU (AMD Radeon™ HD8000 series)
Video Output	Supports DVI-I and 24-bit dual-channel LVDS
Ethernet	2x Realtek RTL8111G-CG Gigabit LAN
Connector	2x RJ-45 on board
I/O Chip	Fintek F81846AD-I
Serial Port	1x RS232/422/485 (jumper-less selection), 3x RS232
USB 2.0	4x USB 2.0 via pin header
USB 3.X	2x USB 3.0 on board
Serial ATA	2x SATA III
Audio	AMD Embedded G-Series SoC built-in audio controller w/ Realtek ALC269Q-VC2-GR HD codec w/ class-D speaker amplifier
TPM	N/A
Others	Digital I/O, +9V~+24V DC In, iSMART
Dimensions (L x W)	102mm x 147mm (4" x 5.8")
Power Consumption	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	90% (non-condensing @60°C)

## Ordering Information

IB903FC-Q24	AMD Embedded G-Series GX-424CC SoC (2.4GHz) 3.5" SBC w/ DVI-I & LVDS (24-bit dual-channel), dual Gigabit LAN, mSATA, iSMART
IB903FC-12	AMD Embedded G-Series GX-212JC SoC (1.2GHz) 3.5" SBC w/ DVI-I & LVDS (24-bit dual-channel), dual Gigabit LAN, mSATA, iSMART
IB903F-Q2G	AMD Embedded G-Series GX-420CA SoC (2.0GHz) 3.5" SBC w/ DVI-I & LVDS (24-bit dual-channel), dual Gigabit LAN, mSATA, iSMART
IB903F-Q15	AMD Embedded G-Series GX-415GA SoC (1.5GHz) 3.5" SBC w/ DVI-I & LVDS (24-bit dual-channel), dual Gigabit LAN, mSATA, iSMART
IB903F-16	AMD Embedded G-Series GX-217GA SoC (1.65GHz) 3.5" SBC w/ DVI-I & LVDS (24-bit dual-channel), dual 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
HSIB903-BGA-1	Heat spreader for IB903F series

## Dimensions and Drawing

