

IB904

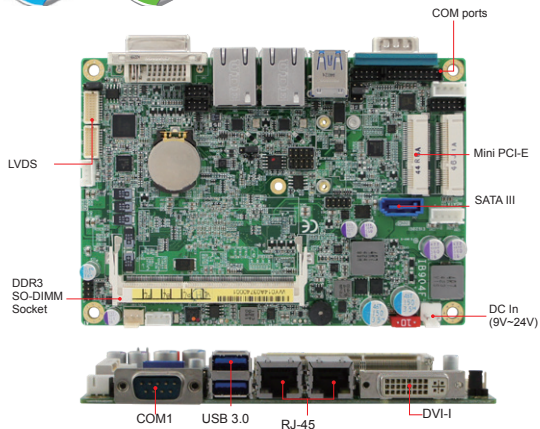
3.5" Disk-Size SBC

AMD Embedded G-series SoC
3.5-inch Disk-Size SBC

IB903

3.5" Disk-Size SBC

AMD Embedded G-series SoC
3.5-inch 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, 1x SATA III

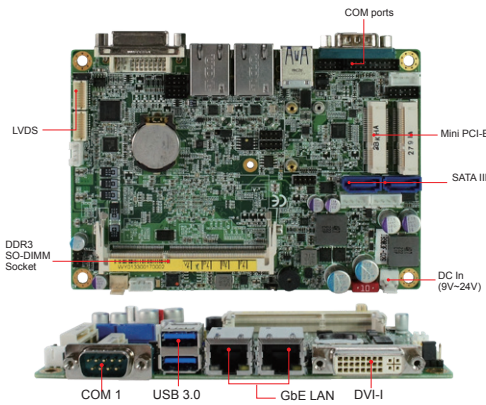


Specifications

CPU	IB904F-Q2G: AMD Embedded G-series GX-420CA SoC (2.0GHz, 2MB cache) IB904F-Q15: AMD Embedded G-series GX-415GA SoC (1.5GHz, 2MB cache) IB904F-16: AMD Embedded G-series GX-217GA SoC (1.65GHz, 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 Slots	2x Mini PCI-E
VGA Controller	AMD Embedded G-series SoC built-in GPU (AMD Radeon™ HD8000 series)
VGA Memory	Shared memory
Display 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
I/O Chipset	Fintek F81846AD-1 1x RS232/422/485 (jumperless selection), 3x RS232
USB	2x USB 3.0 onboard, 4x USB 2.0 via pin header
Serial ATA	1x SATA III
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
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	90% (non-condensing @60°C)

Ordering Information

IB904F-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
IB904F-16	AMD Embedded G-series GX-217GA SoC (1.65GHz) 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
HSIB904-BGA	Heatsink w/ fan for IB904F series
HSIB904-BGA-1	Heat Spreader for IB904F series



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



Specifications

CPU	IB903FC-Q24: GX-424CC SoC (2.4GHz, 2MB cache) IB903FC-12: GX-212JC SoC (1.2GHz, 1MB cache) IB903FC-Q2G: GX-420CA SoC (2.0GHz, 2MB cache) IB903FC-Q15: GX-415GA SoC (1.5GHz, 2MB cache) IB903F-16: GX-217GA SoC (1.65GHz, 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 Slots	2x Mini PCI-E
VGA Controller	AMD Embedded G-series SoC built-in GPU (AMD Radeon™ HD8000 series)
VGA Memory	Shared memory
Display 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
I/O Chipset	Fintek F81846AD-1 1x RS232/422/485 (jumperless selection), 3x RS232
USB	2x USB 3.0 onboard, 4x USB 2.0 via pin header
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
Others	Digital I/O, +9V~+24V DC In, iSMART
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	90% (non-condensing @60°C)

Ordering Information

IB903FC-Q24	AMD Embedded G-series GX-424CC SoC (2.4GHz) 3.5-inch Disk-Size SBC w/ DVI-I & LVDS (24-bit dual-channel), dual PCI-E Gigabit LAN, mSATA, iSMART
IB903FC-12	AMD Embedded G-series GX-212JC SoC (1.2GHz) 3.5-inch Disk-Size SBC w/ DVI-I & LVDS (24-bit dual-channel), dual PCI-E Gigabit LAN, mSATA, iSMART
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-Q15	AMD Embedded G-series GX-415GA SoC (1.5GHz) 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 (1.65GHz) 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
HSIB903-BGA-1	Heat spreader for IB903F series