



## Features

- Onboard Intel® Pentium® QC N3710, up to 2.56GHz or Celeron® DC N3010, up to 2.24GHz
- 2x DDR3L SO-DIMM sockets, Max. 8GB
- Supports VGA, DVI-D and 24-bit dual-channel LVDS
- 2x Intel® I211-AT PCI-E Gigabit LAN
- Watchdog timer, Digital I/O, mSATA, iSMART
- 4x USB 3.0, 2x USB 2.0, 2x COM, 2x SATA III
- 2x Mini PCI-E slots (1x full-size, 1x half-size)

## Specifications

CPU	Intel® Pentium® N3710, up to 2.56GHz or Celeron® N3010, up to 2.24GHz
PCH	N/A
Memory Types	2x DDR3L SO-DIMM sockets, Max. 8GB
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	1x mSATA
Mini Type Slots	2x Mini PCI-E (1x full-size, 1x half-size)
Graphics Controller	Intel® Pentium® SoC integrated Gen8 graphics
Video Output	Supports DVI-D, CRT 24-bit dual-channel LVDS
Ethernet	2x Intel® I211-AT PCI-E Gigabit LAN
I/O Chip	Nuvoton NCT5523D
Serial Port	1x RS232/422/485 (jumperless selection) 1x RS232
USB 2.0	2x USB 2.0 via pin header
USB 3.0/ 3.1	4x USB 3.0 on board
Serial ATA	2x SATA III
Audio	Intel® Pentium® SoC built-in HD audio controller + Realtek ALC662 codec
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	Intel® Pentium® N3700 1.6GHz w/ 2x 4GB DDR3L-1600, +12V: 1.5A
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

IB899F-371	Intel® Pentium® N3710(2.56GHz) on board, 3.5-inch Disk-Size SBC w/ dual PCI-E GbE LAN, CRT, DVI-D & LVDS (24-bit LVDS dual-channel), mSATA, iSMART,
IB899F-301	Intel® Celeron® N3010(2.24GHz) on board, 3.5-inch Disk-size SBC, w/ dual PCI-E GbE LAN, CRT, DVI-D & LVDS (24-bit LVDS dual-channel), mSATA, iSMART
HSIB899-BGA-A	Heatsink for IB899
IB81	Cable kit w/ USB, COM, power, SATA + power, VGA, audio

## Dimensions and Drawing

