FORTEC
ELEKTRONIK AG

Datasheet

IB899

iBASE

Our company network supports you worldwide with offices in Germany, Austria, Switzerland, Great Britain and the USA. For more information please contact:

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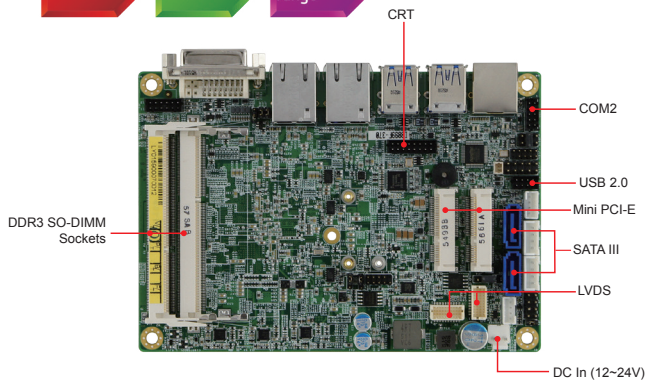
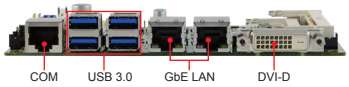
IB899

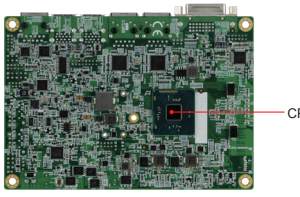
Intel® Pentium® / Celeron® SoC 3.5-inch Disk Size SBC

NEW | iSMART | Wide input range

intel IoT Solutions Alliance







IB899 with Heatsink

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)

System

CPU	Intel® Pentium® N3710, up to 2.56GHz or Celeron® N3010, up to 2.24GHz
System Memory	2x DDR3L SO-DIMM sockets, Max. 8GB
System Chipset	N/A
BIOS	AMI BIOS
Watchdog Timer	256 levels
SSD	1x mSATA
H/W Monitor	Yes
Expansion Slots	2x Mini PCI-E (1x full-size, 1x half-size)

Graphics

VGA Controller	Intel® Pentium® SoC integrated Gen8 graphics
VGA Memory	Shared memory
Display Interface	Supports DVI-D, CRT 24-bit dual channel LVDS

LAN

Controller	2x Intel® I211-AT PCI-E Gigabit LAN
Connector	2x RJ-45 on board

Multi I/O

I/O Chipset	Nuvoton NCT5523D 1x RS-232/422/485 (Jumperless selection) 1x RS232
USB	4 ports USB 3.0 on board 2 ports USB 2.0 via pin header
Audio	Intel® Pentium® SoC built-in HD audio controller + Realtek ALC662 codec
Others	Digital I/O, +9V~ +24V DC-in., iSMART

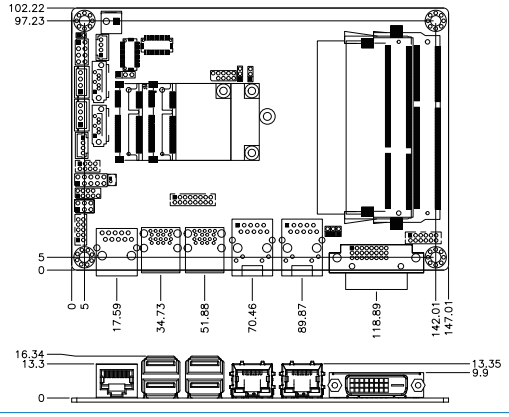
Mechanical and Environmental

Dimensions	102mm x 147mm (4" x 5.8")
Max. Power Requirement	Intel® Pentium® N3700 1.6GHz w/2 x 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-sized SBC, w/ dual PCI-E GbE LAN, CRT, DVI-D & LVDS (24-bit LVDS dual channel), mSATA, iSMART,
IB899F-301	Intel® Celeron® N3000(2.24GHz) on board, 3.5-inch Disk-sized 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 for IB899, w/ USB, COM, power, SATA + power, VGA, Audio

Dimensions and Drawing



Remarks: 1. Specifications are subject to change without prior notice. 2. ODM/OEM is available. 3. For user's manual & datasheet download, visit www.ibase.com.tw.

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