

IB822 with Heat spreader



IB822 with Heatsink

## Features

- Onboard Pentium® Silver SoC
- 2x DDR4-2400 SO-DIMM sockets, Max, 8GB
- Supports HDMI(2.0a), DisplayPort and eDP or 18/24-bit dual-channel LVDS
- 2x Intel® 211AT Gigabit LAN
- 2x M.2 sockets (B/ E key)
- Digital I/O, iSMART, Watchdog timer

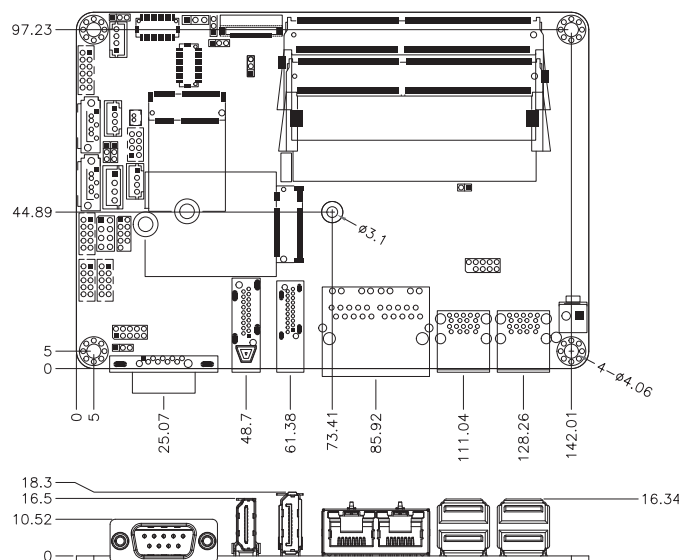
## Specifications

CPU	Intel® Pentium® Silver J5040 Processor
PCH	Integrated in Intel® SoC
Memory Type	2x DDR4-2400 SO-DIMM sockets, Max, 8GB
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	N/A
Mini Type Slots	1x M.2 (B-key, type: 2242) 1x M.2 (E-key, type: 2230)
Graphics Controller	Intel® UHD Graphics 605
Video Output	Supports HDMI(2.0a), DisplayPort and eDP or 18/24-bit dual-channel LVDS
Ethernet	2x Intel® 210AT Gigabit LAN
I/O Chipset	Fintek F81964D-I
Serial Port	3x RS232 1x RS232/422/485 (jumper-less selection)
USB 2.0	2x USB 2.0
USB 3.X	4x USB 3.0 (5Gb/s)
Serial ATA	2x SATA III
Audio	Intel® Pentium® SoC built-in HD Audio controller + Realtek ALC233-VB2-CG Codec w/ class-D speaker amplifier
TPM	N/A
Others	iSMART 3.5, Digital I/O, 12V~24V (DC-in)
Dimensions (L x W)	102mm x 147mm
Power Consumption	Intel® Celeron® J4005 2.0GHz w/ 2x 8GB DDR4-2133 +12V: 1.58A
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

IB822F-J5040	Intel® Pentium® Silver J5040 (2.0GHz~3.0GHz) 3.5" SBC w/ dual GbE LAN, HDMI(2.0a), DisplayPort, & eDP or 18/24-bit dual-channel LVDS), 2x M.2, 2V~24V DC-in
IB822-B	Heatsink for IB822 series
IB822-1	Heatsink spreader for IB822 series
IB76A-1	Cable kit with SATA + power cable, COM, USB, Audio, power cable
IB76A-2	Cable kit w/ USB, COM, Power, SATA + Power

## Dimensions and Drawing



1 CPU Modules

2 Disk-Size SBCs

3 Motherboards

4 CPUC ards