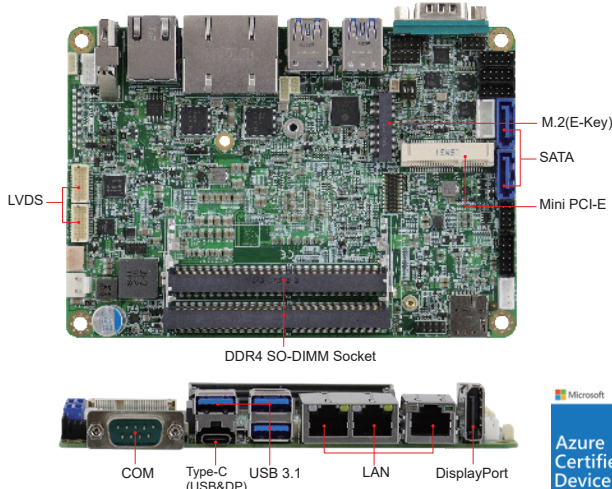
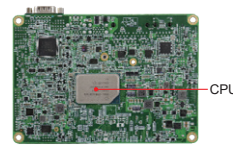




Features

- Onboard Intel® Atom® x6000 Series processor
- 2x DDR4-3200 SO-DIMM, Max.32GB, supports IB ECC
- Supports 2x DisplayPort (DP and Type-C), eDP or 24-bit dual-channel LVDS
- 3x Intel® PCI-E GbE LAN
- 2x USB 2.0, 4x USB 3.1, 2x SATA III
- 1x M.2 sockets (E-Key), 1x Mini PCI-E slot (Full-size)
- Watchdog timer, Digital I/O, TPM (2.0), mSATA(Share with SATA port)
- Wide-range operating temperature from -40°C to 85°C



IB836 with Heatsink

Specifications

CPU	Intel® Atom® QC x6425E (1.8GHz/3.0GHz, 1.5MB cache, 12W TDP) Intel® Atom® QC x6413E (1.5GHz/3.0GHz, 1.5MB cache, 9W TDP) Intel® Atom® DC x6211E (1.2GHz/3.0GHz, 1.5MB cache, 6W TDP)
PCH	Integrated in Intel® SoC
Memory Type	DDR4-3200 SO-DIMM, Max. 32GB, supports IB ECC
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	1x mSATA (Share with SATA port)
Mini Type Slots	1x M.2 (E-Key, type:2230)
Graphics Controller	Intel® SoC integrated Gen11 Graphics
Video Output	2x DisplayPort (DP connector & Type-C) eDP or 24-bit dual-channel LVDS
Ethernet	3x Intel® I210IT PCI-E Gigabit LAN
I/O Chip	Fintek F81964D-I
Serial Port	1x RS232/422/485 (Jumper-less selection) 3x RS232
USB 2.0	2x USB 2.0 (Pin-header)
USB 3.0/ 3.1	3x USB 3.1 (Type-A) 1x USB (Type-C)
Serial ATA	2x SATA III
Audio	Built-in HD with Realtek ALC269 w/ class-D amplifier
TPM	TPM (2.0)
Others	Digital I/O (4-in/4-out), EuP/ErP, +9V~+36V DC-in
Dimensions (L x W)	102mm x 147mm (4" x 5.8")
Power Consumption	TBD
Operating Temperature	-40°C~85°C (-40°F ~185°F)
Storage Temperature	-40°C~90°C (-40°F ~194°F)
Relative Humidity	90% (non-condensing@60°C)

Ordering Information

IB836F-6425E	Intel® Atom® x6425E, 3.5-inch Disk Size SBC w/ 3x GbE LAN, 2x DisplayPort (DP connector& Type-C), LVDS, mSATA, M.2, EuP/ErP, 9V~36V DC-in, wide temp support
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IB836FE-6425E	Intel® Atom® x6425E, 3.5-inch Disk Size SBC w/ 3x GbE LAN, 2x DisplayPort (DP connector& Type-C), eDP, mSATA, M.2, EuP/ErP, 9V~36V DC-in, wide temp support
IB836F-6413E	Intel® Atom® x6413E, 3.5-inch Disk Size SBC w/ 3x GbE LAN, 2x DisplayPort (DP connector& Type-C), eDP, mSATA, M.2, EuP/ErP, 9V~36V DC-in, wide temp support
IB836FE-6413E	Intel® Atom® x6413E, 3.5-inch Disk Size SBC w/ 3x GbE LAN, 2x DisplayPort (DP connector& Type-C), eDP, mSATA, M.2, EuP/ErP, 9V~36V DC-in, wide temp support
IB836F-6211E	Intel® Atom® x6211E, 3.5-inch Disk Size SBC w/ 3x GbE LAN, 2x DisplayPort (DP connector& Type-C), LVDS, mSATA, M.2, EuP/ErP, 9V~36V DC-in, wide temp support
IB836FE-6211E	Intel® Atom® x6211E, 3.5-inch Disk Size SBC w/ 3x GbE LAN, 2x DisplayPort (DP connector& Type-C), eDP, mSATA, M.2, EuP/ErP, 9V~36V DC-in, wide temp support
HSIB836-X-A	Heatsink for IB836
HSIB836-X-1	Heat spreader for IB836
IB76A-2	Cable kit w/ USB, COM, Power, SATA + Power

Dimensions and Drawing

