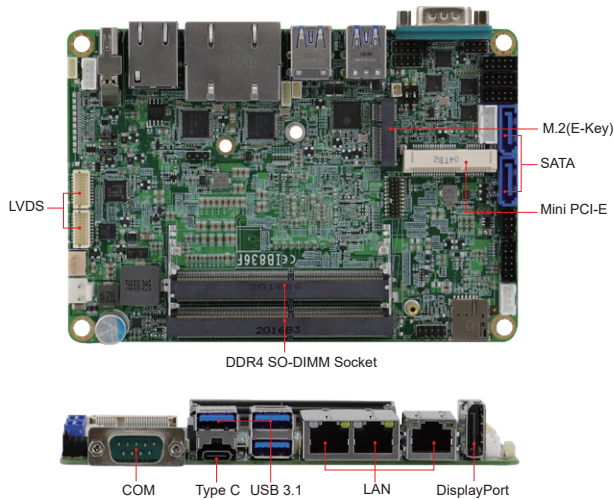


Preliminary



Features

- Onboard Intel® Atom™ x6000 series/ Pentium®/ Celeron® processor
- 2x DDR4-3200 SO-DIMM, Max.32GB, support IB ECC
- Support DisplayPort x2 (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 in certain models

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, support 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 (Jumperless selection) 3x RS232
USB 2.0	2x USB2.0 (Pin-header)
USB 3.0/ 3.1	3x USB3.1 (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 (1.8GHz~3.0GHz) 3.5-inch Disk Size SBC w/ 3x GbE LAN, 2x DisplayPort (DP connector & Type-C), eDP or LVDS (24-bit LVDS Dual channel), mSATA, M.2, EuP/ErP, 9V~36V DC-in, wide temperature support
IB836F-6413E	Intel® Atom™ x6413E (1.5GHz~3.0GHz) 3.5-inch Disk Size SBC w/ 3x GbE LAN, 2x DisplayPort (DP connector & Type-C), eDP or LVDS (24-bit LVDS Dual channel), mSATA, M.2, EuP/ErP, 9V~36V DC-in, wide temperature support
IB836F-6211E	Intel® Atom™ x6211E (1.2GHz~3.0GHz) 3.5-inch Disk Size SBC w/ 3x GbE LAN, 2x DisplayPort (DP connector & Type-C), eDP or LVDS (24-bit LVDS Dual channel), mSATA, M.2, EuP/ErP, 9V~36V DC-in, wide temperature support
IB76A-1	Cable Kit w/USB, COM, Power cable, SATA+Power cable for IB836F series