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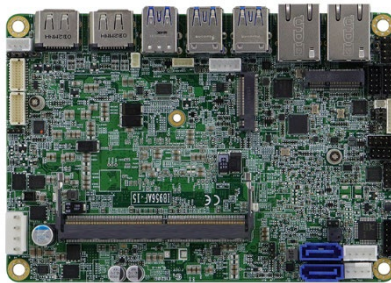


Datasheet

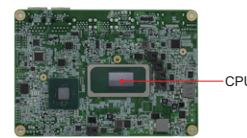
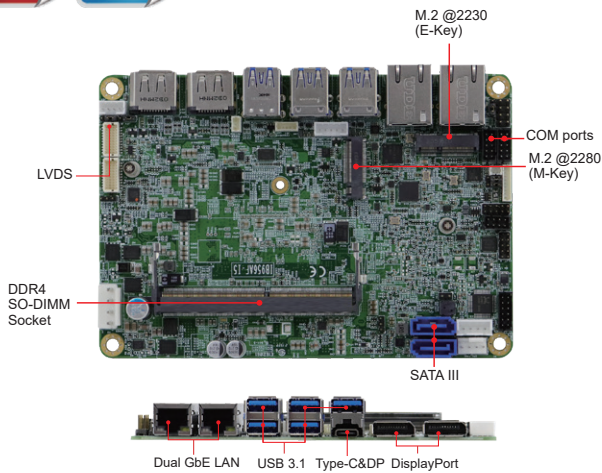
iBase

IB956

11th Gen Intel® Core™ / Celeron® 3.5" Single Board Computer



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Features

- Onboard 11th Gen Intel® Core™ vPro® / Celeron® processor (formerly Tiger Lake-H)
- 1x DDR4 SO-DIMM, Max 32GB
- Supports 3x DisplayPort (DP connector + Type-C connector) and 24-bit Dual channel LVDS
- 2x Intel® 2.5 Gigabit LAN
- 6x USB3.1, 2x USB2.0, 2x SATA III, 2x COM, 2x M.2
- Watchdog timer, Digital I/O, iAMT (15), TPM (2.0)

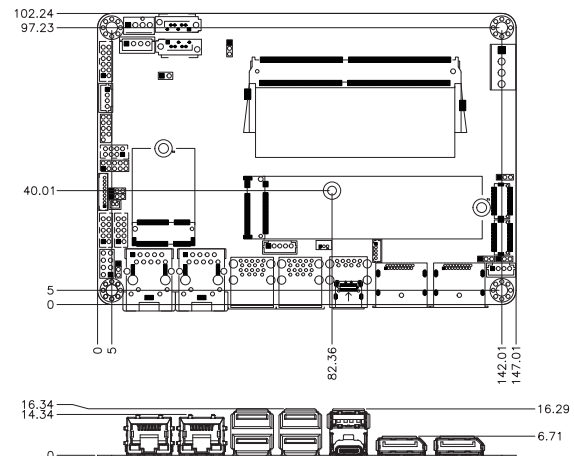
Specifications

CPU	11th Gen Intel® Core™ i7 vPro®-11850HE 11th Gen Intel® Core™ i5 vPro®-11500HE 11th Gen Intel® Core™ i3-11100HE Intel® Celeron® 6600HE
PCH	IB956AF series: Intel® QM580E IB956EF series: Intel® HM570E
Memory Types	1x DDR4 SO-DIMM, Max.32GB
BIOS	AMI
Watchdog Timer	256 Levels
H/W Monitor	Yes
Storage Device Interface	NVMe
Mini Type Slots	1x M.2 (M-Key, type:2280, Supports NVMe) 1x M.2 (E-Key, type:2230, Supports CNV)
Graphics Controller	11th Gen Intel® Core™ H-series processor integrated graphics
Video Output	3x DisplayPort (1.4) (DP connector + Type-C connector), and 24-bit Dual channel LVDS
Ethernet	1st LAN: IB956AF series: Intel® I225-LM IB956EF series: Intel® I225-V 2nd LAN: Intel® I225-V
I/O Chipset	Fintek F81804U-I
Serial Port	1x RS232/422/485, 1x RS232
USB 2.0	2x USB2.0 via pin header
USB 3.X	QM580E: 6x USB3.1 (GEN2) HM570E: 4x USB3.1 (GEN2), 2x USB3.1(GEN1)
Serial ATA	2x SATA III
Audio	11th Gen Intel® Core™ H-series processor Built-in HD audio controller + Realtek ALC888S
TPM	TPM (2.0)
Others	Digital I/O, +12~ +24V DC-in
Dimensions (L x W)	102mm x 147mm (4" x 5.8")
Power Consumption	TBD
Operating Temperature	0°C~60°C
Storage Temperature	-20°C~80°C
Relative Humidity	95%@60 degree-C non-condensing

Ordering Information

IB956AF-i7	Intel® QM580E / Core™ i7-11850HE onboard, w/ I225-LM 2.5GbE LAN + I225V 2.5GbE LAN, 3x DisplayPort (DP+ Type-C) & LVDS (24bit Dual-channel), 2x SATA III, 2x COM, 2x M.2 (M2280/ E2230), DC-in (12V~24V), Support iAMT 15.0, TPM (2.0), Optional Heatsink, w/o cable kit, (RoHS 2)
IB956AF-i5	Intel® QM580E/ Core™ i5-11500HE onboard, w/ I225-LM 2.5GbE LAN + I225V 2.5GbE LAN, 3x DisplayPort (DP+ Type-C) & LVDS (24bit Dual-channel), 2x SATA III, 2x COM, 2x M.2 (M2280/ E2230), DC-in (12V~24V), Support iAMT 15.0, TPM (2.0), Optional Heatsink, w/o cable kit, (RoHS 2)
IB956EF-i3	Intel® HM570E/ Core™ i3-11100HE onboard, w/ 2x I225V 2.5GbE LAN, 3x DisplayPort (DP+ Type-C) & LVDS (24bit Dual-channel), 2x SATA III, 2x COM, 2x M.2 (M2280/ E2230), DC-in (12V~24V), TPM (2.0), Optional Heatsink, w/o cable kit, (RoHS 2)
IB956EF-CEL	Intel® HM570E/ Celeron® 6600HE onboard, w/ 2x I225V 2.5GbE LAN, 3x DisplayPort (DP+ Type-C) & LVDS (24bit Dual-channel), 2x SATA III, 2x COM, 2x M.2 (M2280/ E2230), DC-in (12V~24V), TPM (2.0), Optional Heatsink, w/o cable kit, (RoHS 2)

Dimensions and Drawing



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