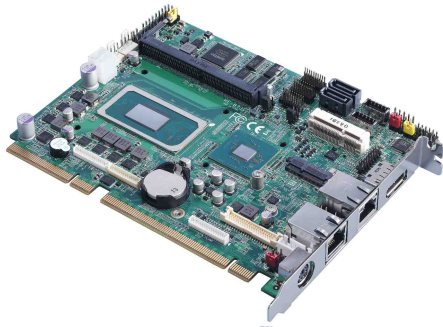


### HE-B73



## Features

- Onboard Tiger Lake /11<sup>th</sup> Gen H Processor
- 2 x DDR4 SO-DIMM 3200 MHz up to 64GB
- Integrated DisplayPort, DVI, LVDS, VGA for four display support
- 1 x Intel® Gigabit PHY LAN, 1 x Intel® 2.5 Gigabit LAN
- 1 x MiniPCIe (support mSATA)
- 1 x M.2 2280 Key M support PCIe Gen4 and SATA
- 1 x M.2 2230 Key E for Wi-Fi and Bluetooth
- 2 x SATA3, 4 x USB2.0, 2 x USB3.2 Gen2 (Type E),
- 6 x COM, 1 x GPIO, 1 x SIM Slot, 1 x PS/2
- Support 4K resolution, Watchdog Timer
- Standard 24-pin ATX power from Backplane

## System

Processor	Tiger Lake /11 <sup>th</sup> Gen H Processor FCBGA1787 package
Chipset	Intel® QM580E / RM590E <b>(TGL-H Xeon CPUs have to use RM590E)</b>
Memory	2 x DDR4 SO-DIMM 3200 MHz up to 64GB, Support Non-ECC, unbuffered memory only <b>(TGL-H Xeon CPUs can support ECC memory)</b>
Watchdog Timer	Generates a system reset with internal timer for 1 min/s ~ 255 min/s
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Expansion	1 x MiniPCIe with SIM slot (support mSATA) 1 x M.2 2280 Key M support PCIe Gen4 and SATA 1 x M.2 2230 Key E for Wi-Fi and Bluetooth 1 x PCIe X16 slot 4 x PCIe X1 slot or 1 x PCIe X4 slot <b>(Optional)</b>

## Graphics

Chipset	Intel® 11th Gen integrated UHD Graphics
Display Interface	1 x LVDS <b>(Note1)</b> , 1 x DVI <b>(Note5)</b> , 1 x DisplayPort <b>(Note2)</b> , 1 x VGA

## Ordering Code

HE-B7371	With Core™ i7-11850HE, QM580E, Cooler fan, DVI, DP, LVDS, VGA, 4 x PCIe X1
HE-B7374	Same as HE-B7371, with 1 x PCIe X4
M2-3502	M2 2280 Key M support 2 x Gigabit LAN
M2-3504	M2 2280 Key M support 4 x Gigabit LAN

**Note1:** Onboard 18/24-bit single/dual channel +3.3V/ +5V/ +12V LVDS

**Note2:** Add ADP-3355 supports 2<sup>nd</sup> VGA or Add ADP-3460 supports 2<sup>nd</sup> LVDS, please contact with our sales for OEM version

**Note3:** W-11865MRE, W-11555MRE, W-11155MRE can operate within -40°C~85°C

**Note4:** If you want to use other Tiger Lake /11th Gen H Processor , please turn to the next page and contact with our sales.

**Note5:** DVI Cable is optional.

## LAN

Chip	1 x Intel® I219-LM Gigabit PHY LAN (Support iAMT15.0) 1 x Intel® I225-LM Gigabit LAN
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## I/O

Serial ATA	2 x SATA3
Audio	Realtek ALC888S HD Audio
Internal I/O	1 x DVI, 1 x VGA, 1 x Audio, 1 x GPIO 2 x SATA3, 4 x RS232, 2 x RS232/RS422/RS485, 1 x SMBus, 2 x USB3.2 Gen2 (Type E) 4 x USB2.0, 1 x LVDS, 1 x LCD inverter connector
Rear I/O	1 x DisplayPort, 2 x LAN, 1 x PS/2

## Mechanical & Environmental

Power Requirement	Standard 24-pin ATX power from Backplane
Size	168mm x 126mm (L x W)
Temperature	Operating within 0°C~60°C (32°F~140°F) <b>(Note3)</b> Storage within -20°C~80°C (-4°F~176°F)
Relative Humidity	10%~90%, non-condensing

**HE-B73****OEM**

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HE-B7351	With Core™ i5-11500HE, QM580E, Cooler fan, DVI, DP, LVDS, VGA, 4 x PCIe X1
HE-B7331	With Core™ i3-11100HE, QM580E, Cooler fan, DVI, DP, LVDS, VGA, 4 x PCIe X1
HE-B73C1	With Celeron® 6600HE, QM580E, Cooler fan, DVI, DP, LVDS, VGA, 4 x PCIe X1
HE-B73W7R1	With Xeon® W-11865MRE, RM590E, Cooler fan, DVI, DP, LVDS, VGA, 4 x PCIe X1
HE-B73W7L1	With Xeon® W-11865MLE, RM590E, Cooler fan, DVI, DP, LVDS, VGA, 4 x PCIe X1
HE-B73W5R1	With Xeon® W-11555MRE, RM590E, Cooler fan, DVI, DP, LVDS, VGA, 4 x PCIe X1
HE-B73W5L1	With Xeon® W-11555MLE, RM590E, Cooler fan, DVI, DP, LVDS, VGA, 4 x PCIe X1
HE-B73W3R1	With Xeon® W-11155MRE, RM590E, Cooler fan, DVI, DP, LVDS, VGA, 4 x PCIe X1
HE-B73W3L1	With Xeon® W-11155MLE, RM590E, Cooler fan, DVI, DP, LVDS, VGA, 4 x PCIe X1
HE-B7354	Same as HE-B7351, with 1 x PCIe X4
HE-B7334	Same as HE-B7331, with 1 x PCIe X4
HE-B73C4	Same as HE-B73C1, with 1 x PCIe X4
HE-B73W7R4	Same as HE-B73W7R1, with 1 x PCIe X4
HE-B73W7L4	Same as HE-B73W7L1, with 1 x PCIe X4
HE-B73W5R4	Same as HE-B73W5R1, with 1 x PCIe X4
HE-B73W5L4	Same as HE-B73W5L1, with 1 x PCIe X4
HE-B73W3R4	Same as HE-B73W3R1, with 1 x PCIe X4
HE-B73W3L4	Same as HE-B73W3L1, with 1 x PCIe X4
ADP-3355	DisplayPort to VGA module (For 2 <sup>nd</sup> VGA)
ADP-3460	DisplayPort to LVDS module (For 2 <sup>nd</sup> LVDS)

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