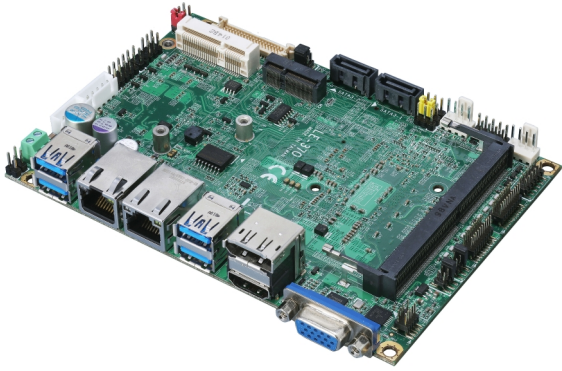


# Intel® Tiger Lake UP3 Processor

## LE-370



## Features

- Onboard Intel® Tiger Lake UP3 Processor
- 1 x DDR4 SO-DIMM 3200 MHz up to 32GB
- Integrated DisplayPort, HDMI, LVDS, VGA for four display support
- 1 x Intel® Gigabit PHY LAN, 1 x Intel® 2.5G Gigabit LAN
- 1 x MiniPCIe (support mSATA)
- 1 x M.2 2280 KEY M support PCIe Gen4, 1 x M.2 (Key E)
- 2 x SATA3, 2 x USB2.0, 4 x USB3.2 Gen2, 4 x COM
- 1 x GPIO, 1 x PS/2
- Support Watchdog Timer
- Support 4K resolution
- DC input 9~35V

## System

<b>Processor</b>	Intel® Tiger Lake UP3 Processor FCBGA1449 package
<b>Memory</b>	1 x DDR4 SO-DIMM 3200 MHz up to 32GB, Support Non-ECC, unbuffered memory
<b>Watchdog Timer</b>	Generates a system reset with internal timer for 1 min/s ~ 255 min/s
<b>Real Time Clock</b>	Chipset integrated RTC with lithium battery
<b>Expansion</b>	1 x MiniPCIe (support mSATA) 1 x M.2 (Key E 2230) for Wi-Fi and Bluetooth 1 x M.2 (Key M 2280) Slot support PCIe Gen4

## Graphics

<b>Processor</b>	Intel® Iris® Xe Graphics
<b>Display Interface</b>	1 x LVDS (Note1), 1 x DisplayPort (Note2), 1 x HDMI, 1 x VGA

## LAN

<b>Chip</b>	1 x Intel® I219-LM Gigabit PHY LAN (supports Intel® AMT 15.0) 1 x Intel® I225-LM Gigabit LAN (up to 2.5GbE)
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## Ordering Code

<b>LE-3707:</b>	With i7-1185G7E + Cooler fan, support HDMI, LVDS, DP, VGA, 2.5G LAN	Art. n.º 164753
<b>LE-370C:</b>	With Celeron® 6305E + Cooler fan, support HDMI, LVDS, DP, VGA, 2.5G LAN	Art. n.º 164762

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

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

**Note3:** If you want to use other TGL UP3 CPU(i7-1185GRE, i5-1145GRE, i5-1145G7E, i3-1115GRE, i3-1115G4E), please contact with our sales.

## I/O

<b>Serial ATA</b>	2 x SATA3
<b>Audio</b>	Realtek ALC262 HD Audio
<b>Internal I/O</b>	2 x SATA3, 2 x USB2.0 2 x RS232, 2x RS232/485/422 1 x LVDS, 1 x LCD inverter connector, 1 x GPIO, 1 x Audio, 1 x PS/2, 1 x SMBus
<b>Rear I/O</b>	1 x DisplayPort(Note2), 1 x HDMI, 1 x VGA, 4 x USB3.2 Gen2, 2 x LAN

## Mechanical & Environmental

<b>Power Requirement</b>	DC input 9~35V
<b>Size</b>	146mm x 101mm (L x W)
<b>Temperature</b>	Operating within 0°C~60°C (32°F~140°F) Storage within -20°C~80°C (-4°F~176°F)
<b>Relative Humidity</b>	10%~90%, non-condensing