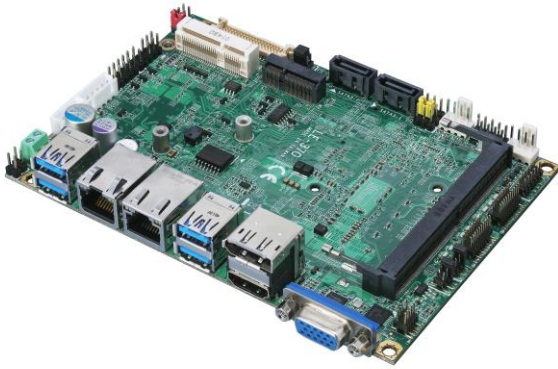


Intel® Tiger Lake UP3 Processor

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 (Key M 2280) support PCIe Gen4 for NVMe
- 1 x M.2 (Key E 2230)
- 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

Processor	Intel® Tiger Lake UP3 Processor FCBGA1449 package
Memory	1 x DDR4 SO-DIMM 3200 MHz up to 32GB, Support Non-ECC, unbuffered memory
Watchdog Timer	Generates a system reset with internal timer for 1 min/s ~ 255 min/s
Real Time Clock	Chipset integrated RTC with lithium battery
Expansion	1 x MiniPCIe (support mSATA) 1 x M.2 (Key E 2230) for Wi-Fi and Bluetooth 1 x M.2 (Key M 2280) support PCIe Gen4 for NVMe
Graphics	
Processor	Intel® Iris® Xe Graphics
Display Interface	1 x LVDS (Note1), 1 x DisplayPort (Note2), 1 x HDMI, 1 x VGA
LAN	
Chip	1 x Intel® I219-LM Gigabit PHY LAN (supports Intel® AMT 15.0) 1 x Intel® I225-LM Gigabit LAN (up to 2.5GbE)

I/O

Serial ATA	2 x SATA3 (Note3)
Audio	Realtek ALC262 HD Audio
Internal I/O	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
Rear I/O	1 x DisplayPort (Note2), 1 x HDMI, 1 x VGA, 4 x USB3.2 Gen2, 2 x LAN

Mechanical & Environmental

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

Ordering Code

LE-3707:	Art. N° 164753	With i7-1185G7E + Cooler fan, support HDMI, LVDS, DP, VGA, 2.5G LAN
LE-370C:	Art. N° 164762	With Celeron® 6305E + Cooler fan, support HDMI, LVDS, DP, VGA, 2.5G LAN
LE-3705 (OEM)	Art. N° 165801	With i5-1145G7E + Cooler fan, support HDMI, LVDS, DP, VGA, 2.5G LAN

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: CN_SATA3-1 cannot use when Mini_card change to mSATA

Note4: If you want to use other TGL UP3 CPU(i7-1185GRE, i5-1145GRE, i5-1145G7E, i3-1115GRE, i3-1115G4E), please contact with our sales.