

# LEC-2680

Computing Vision IPC  
w/ 11th Gen Intel® Core™ i Series CPU  
(Codenamed Tiger Lake-UP3)



## ■ Features

- 11th Gen Intel® Core™ i CPU (Up to i7-1185GRE)
- 2x DDR4 2133/2400 SO-DIMM, Max. 64GB
- 6x PoE+, 2x Ethernet Ports, 2x COM Ports, 4x USB 3.0
- Intel® Iris® Xe Graphics, 2x HDMI, 8x DI & 4x DO
- 1x M.2 B-Key w/ Nano SIM For LTE/5G, 1x M.2 E-Key For Wifi 6, 1x M.2 M-Key For PCIe Gen4 x4 NVMe SSD

## ■ Preliminary Specifications

### Processor System

|             |   |
|-------------|---|
| CPU         | 11th Gen Intel® Core™ i (Up to i7-1185GRE), Codenamed TigerLake-UP3 |
| Frequency   | PBF1.80GHz, MaxTurbo to 4.4GHz                                      |
| Core Number | 4   |
| BIOS        | AMI 256Mbit SPI Flash BIOS  |
| Chipset     | N/A   |
| Fanless     | Yes   |

### Memory

|               |                    |
|---------------|--------------------|
| Technology    | DDR4 3200 SO-DIMM  |
| Max. Capacity | 64 GB              |
| Socket        | 2x 260-pin SO-DIMM |

### Graphic

|            |                          |
|------------|--------------------------|
| Controller | Intel® Iris® Xe Graphics |
| HDMI       | 2                        |

### Audio

|           |                        |
|-----------|------------------------|
| Codec     | TSI 92HD73C            |
| Interface | 1x Mic-in, 1x Line-out |

### Ethernet

|            |  |
|------------|--|
| Controller | Intel i225IT & i210IT  |
| Speed      | 2.5Gbps/1Gbps/100Mbps/10Gbps                                     |
| Interface  | 2x 2.5Gbps RJ45, 6x GbE RJ45 For PoE+ (Total PoE Budget of 160W) |

### Storage

|      |                                    |
|------|------------------------------------|
| Type | 1x mSATA+1x SATA+1x M.2 M-Key 2280 |
|------|------------------------------------|

|              |  |
|--------------|--|
| Installation | 1x mSATA+1x 2.5" SATA Drive Bay for SSD/HDD, 1x M.2 M-Key 2280 PCIe Gen4 x4 NVMe SSD |
|--------------|--|

### I/O

|                       |                                |
|-----------------------|--------------------------------|
| Serial Port           | 2x RS232/422/485               |
| Digital I/O           | 8x Isolated DI, 4x Isolated DO |
| USB 2.0               | -                              |
| USB 3.0               | 4x Type A                      |
| Power-On/Reset Button | 1x Power-On, 1x Reset Button   |
| Remote Power Switch   | 1x 2-pin Remote Power Switch   |
| LED                   | Power/Storage                  |

### Expansion Interface

|           |  |
|-----------|--|
| Mini-PCIe | -  |
| PCIe      | -  |
| M.2       | 1x B-Key 3042/3052 w/ 2x Nano-SIM (eSIM Reserved) For LTE/5G<br>1x E-Key 2230 For Wifi6<br>1x M-Key 2280 For PCIe Gen4 x4 NVMe SSD |

### Watchdog Timer

Watchdog Timer 1~255 Level Time Interval System Reset, Software Programmable

### Power

|                               |                         |
|-------------------------------|-------------------------|
| Power Type                    | ATX                     |
| Power Supply Voltage          | +24Vdc Typically        |
| Connector                     | 1x 3-pin Terminal Block |
| Power Consumption (Idle)      | TBC                     |
| Power Consumption (Full Load) | TBC                     |

### Environment

|                       |  |
|-----------------------|--|
| Operating Temperature | -40°C~55°C (CPU Not Throttling, Up To 70°C For 72Hr Running) |
| Storage Temperature   | -40°C~70°C   |
| Relative Humidity     | 10%~90% (Non-condensing)                                     |
| Vibration             | IEC 60068-2-64, 0.5Grms, random 5 ~500 Hz, 40 mins/axis      |

### Mechanical

|                       |                           |
|-----------------------|---------------------------|
| Dimension (W x H x D) | 270 x 75 x 180 mm         |
| Construction          | Aluminum Extrusion & SGCC |
| Weight                | TBC                       |
| Mounting              | Wallmount, VESA           |

### Driver Support

|                   |             |
|-------------------|-------------|
| Microsoft Windows | -           |
| Linux             | Ubuntu 20.4 |

### Certification

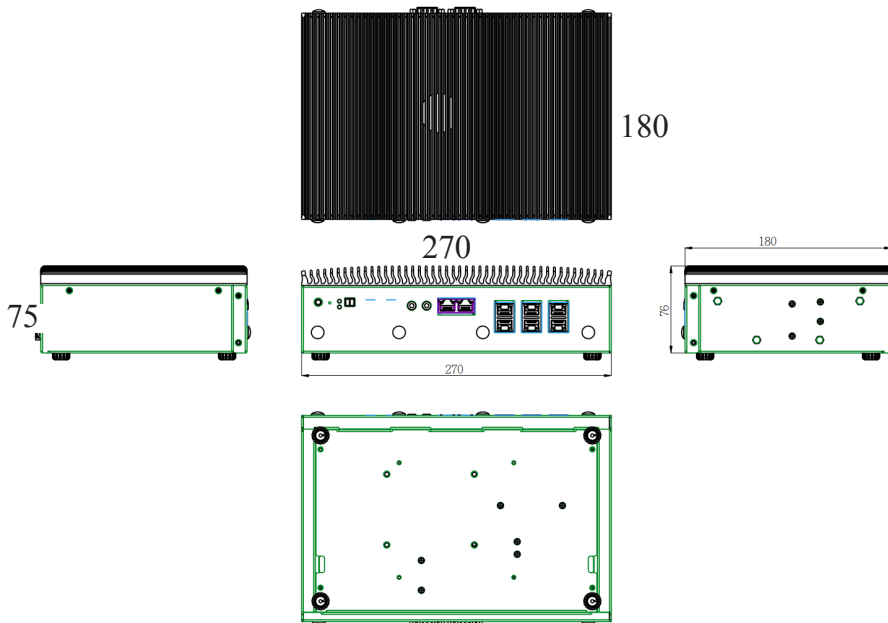
|        |                 |
|--------|-----------------|
| EMC    | CE/FCC, Class A |
| Safety | UL/CB           |

## ■ Product I/O View



- |                       |                          |                     |
|-----------------------|--------------------------|---------------------|
| <b>A</b> Power On/Off | <b>E</b> MIC-in/LINE-out | <b>I</b> COM x2     |
| <b>B</b> Reset        | <b>F</b> LAN x2          | <b>J</b> HDMI x2    |
| <b>C</b> Status LED   | <b>G</b> PoE+ x6         | <b>K</b> MIOs       |
| <b>D</b> PS-ON        | <b>H</b> DC-in           | <b>L</b> USB 3.0 x4 |

## ■ Dimensions (W x H x D) 270 x 75 x 180 mm (10.6" x 3.0" x 7.1")



## ■ Ordering Information

LEC-2680A

11th Gen Intel Core i CPU (up to i7-1185GRE), 2x DDR4 2133/2400 SO-DIMM, 6x PoE+, 2x Ethernet ports, 2x COM ports, 1x M.2 NVMe, 4x USB 3.0, Intel Iris Xe Graphics, 2x HDMI, 8x DI & 4x DO, 1x M.2 B-Key w/ Nano SIM for LTE/5G, 1x M.2 E-Key for Wifi6

V.1-2021.05.10

# Lanner

© Lanner Electronics Inc. All rights reserved.  
 All product specifications are subject to change without notice.  
[contact@lannerinc.com](mailto:contact@lannerinc.com) | [www.lannerinc.com](http://www.lannerinc.com)