



## ■ Features

- Intel® Core™ i7-9700TE
- 2x DDR4 2133/2400 SO-DIMM, Max.64GB
- 2x GbE RJ45 & 4x GbE PoE
- 4x USB3.0, 6x COM, 8x DIO, Audio
- 1x Mini-PCle (PCIe + USB2.0) w/ Nano-SIM, 1x PCIe\*16, 1x M.2 B-Key (PCIe + USB3.0) w/ Nano-SIM
- 2x Removable HDD/SSD External Slot w/ RAID, 1x mSATA
- Wide temperature range of 0°C~40°C
- TPM 2.0 & IPMI Support (By Request)

## ■ Specifications

### Processor System

|             |                                           |
|-------------|-------------------------------------------|
| CPU         | Intel® Core™ i7-9700TE<br>(Coffee Lake S) |
| Frequency   | 1.8GHz                                    |
| Core Number | 8                                         |
| BIOS        | AMI 256Mbit SPI Flash BIOS                |
| Chipset     | C246                                      |
| Fanless     | No                                        |

### Memory

|               |                        |
|---------------|------------------------|
| Technology    | DDR4 2133/2400 SO-DIMM |
| Max. Capacity | 64 GB                  |
| Socket        | 2x 260-pin SO-DIMM     |

### Graphic

|            |                         |
|------------|-------------------------|
| Controller | Intel® UHD Graphics 630 |
| Interface  | 2x HDMI                 |

### Audio

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

### Ethernet

|            |                           |
|------------|---------------------------|
| Controller | Intel® i210IT             |
| Speed      | 10/100/1000 Mbps          |
| Interface  | 2x GbE RJ45<br>4x GbE PoE |

### Storage

|              |                                            |
|--------------|--------------------------------------------|
| Type         | SATA III                                   |
| Installation | 2x Removable HDD/SSD External Slot w/ RAID |
| Type         | mSATA                                      |
| Installation | 1x mSATA                                   |

### I/O

|             |                                                                           |
|-------------|---------------------------------------------------------------------------|
| Serial Port | 6x D-sub 9, RS232/422/485                                                 |
| Digital I/O | 1x Terminal Block Isolation, 8x DI (12V),<br>8x DO (Sink Mode, 12V@100mA) |
| USB         | 4x USB 3.0 Type A                                                         |

Power-On/Reset Button

1x Power-On, 1x Reset Button

Remote Power Switch

1x 2-pin Remote Power Switch

LED

Power/Storage/LTE/Wifi

### Expansion Interface

|           |                                          |
|-----------|------------------------------------------|
| Mini-PCle | 1x Mini-PCle (PCIe + USB2.0) w/ Nano-SIM |
| PCIe      | 1x PCIe *16 (support *4/*8/*16)          |
| M.2       | 1x M.2 B-Key (PCIe + USB3.0) w/ Nano-SIM |

### Watchdog Timer

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

### Power

|                               |                            |
|-------------------------------|----------------------------|
| Power Type                    | ATX                        |
| Power Supply Voltage          | 9~30 VDC                   |
| Connector                     | 1x 4-pin Terminal Block    |
| Power Consumption (Idle)      | 29.5W@ +12VDC-in (see *2)  |
| Power Consumption (Full Load) | 121.6W@ +12VDC-in (see *2) |

### Environment

|                       |                                                         |
|-----------------------|---------------------------------------------------------|
| Operating Temperature | 0°C~40°C                                                |
| 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) | 275 x 115 x 225 mm        |
| Construction          | Aluminum Extrusion & SGCC |
| Weight                | 6.4 kg                    |
| Mounting              | Wallmount                 |

### Driver Support

|                   |                                                                                                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|
| Microsoft Windows | Windows 10 IoT 64bits Series<br>Ubuntu 18.10 64bit or Above<br>CentOS 7 or Above<br>Fedora 30 64bit or Above |
|-------------------|--------------------------------------------------------------------------------------------------------------|

Linux

Kernel 3.12

### Certification

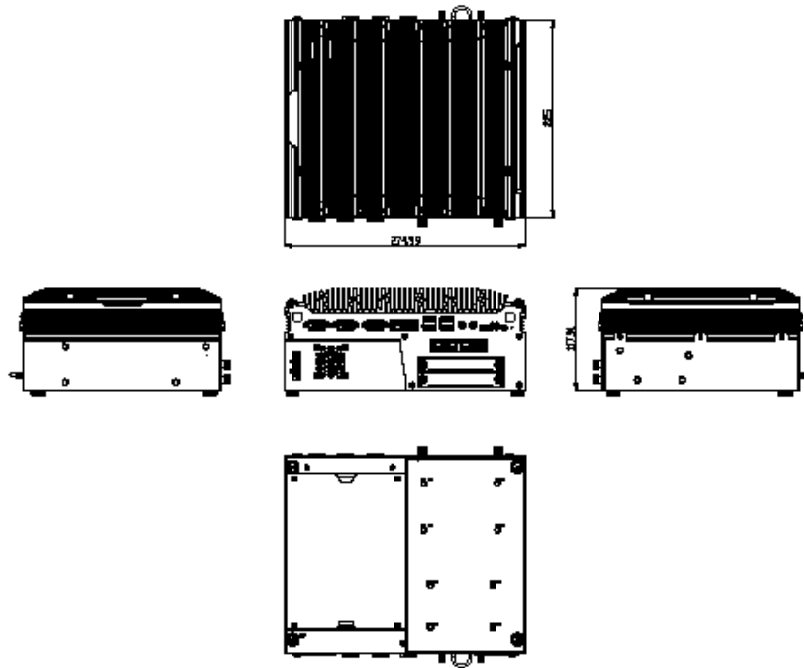
|        |                           |
|--------|---------------------------|
| EMC    | CE/FCC, Class A           |
| Safety | CB 62368 & 60950/UL 62368 |

## ■ Product I/O View



- |                   |                 |                |                   |
|-------------------|-----------------|----------------|-------------------|
| A COM             | F DC Input      | K DIO          | P PGN Module Slot |
| B LAN             | G PoE           | L Display Port | Q PCIe Slot       |
| C USB 3.0         | H HDD/SSD Bays  | M HDMI         |                   |
| D LINE-out/MIC-in | I Status LED    | N COM          |                   |
| E Remote Power    | J On/Off Switch | O DC Input     |                   |

## ■ Dimensions (W x H x D) 275 x 115 x 225 mm (10.8" x 4.5" x 8.9")



## ■ Ordering Information

### LEC-2290B

Intel® Core™ i7-9700TE, 16GB System Memory, 128GB mSATA and 2.5" 256GB SATA Storage, +9~30VDC input with 270W AC/DC adapter, 1\*PCIe x16 expansion slot (support \*4/\*8/\*16) (Intel AI Software suite preinstall)

V.1-2025.2.10

# Lanner

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[contact@lannerinc.com](mailto:contact@lannerinc.com) | [www.lannerinc.com](http://www.lannerinc.com)