

LEC-2290E

Intelligent Edge Computing Box PC
With NVIDIA® A2 GPU Compatibility



Features

- Intel® Core™ i7 Processor (Coffee Lake)
- NVIDIA® A2 GPU Card Support
- 2x DDR4 2133/2400 SO-DIMM, Max. 64GB
- 2x RJ45 GbE, 4x PoE, 4x USB3.0, 6x COM Ports, 8x DIO
- 2x Removable HDD/SSD External Slot w/ RAID, 1x mSATA
- 1x PCIe*16, 1x Mini-PCIe w/ Nano-SIM, 1x B-Key M.2 w/ Nano-SIM
- Built-in TPM 2.0 & IPMI (optional) Support
- A NVIDIA-Certified System for industrial edge

Specification

Processor System

CPU	Intel® Core™ i7 Processor (Coffee Lake)
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 4x 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), 8x DO (Sink Mode, 12V@100mA)
USB	4x USB 3.0 Type A
Power/Reset Button	1x Power Button, 1x Reset Button
Remote Power Switch	1x 2-pin Remote Power Switch
LED	Power/Storage/LTE/WiFi

Expansion Interface

Mini-PCIe	1x Mini-PCIe (PCIe + USB2.0) w/ Nano-SIM
PCIe	1x PCIe *16 (support *4/*8/*16)
M.2	1x B Key M.2 (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 (Up To 35°C Based On NVIDIA Industrial Edge V2.5 Certified Program)
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	6.9 kg
Mounting	Wallmount

Driver Support

Microsoft Windows	Windows 10 IoT 64bits Series Ubuntu 18.10 64bit or Above CentOS 7 or Above Fedora 30 64bit or Above
Linux	Kernel 3.12

Certification

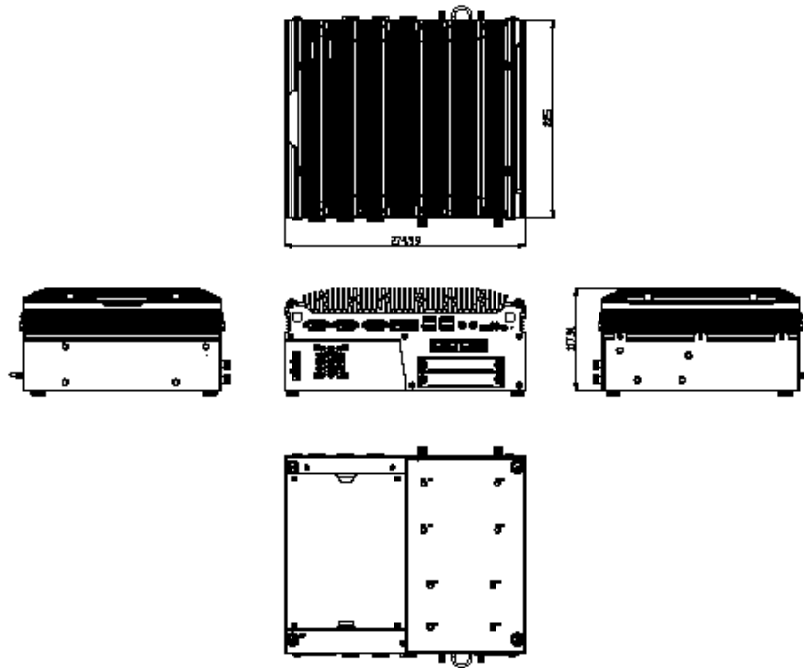
EMC	CE/FCC, Class A
Safety	CB 62368 & 60950/UL 62368

■ 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-2290E

Intel® Core™ i7 Processor, 32GB System Memory, 128GB mSATA and 2.5" 256GB SATA Storage, 1x PCIe*16 Expansion Slot (support *4/*8/*16) with NVIDIA Tesla A2 GPU Card (NVIDIA AI Software Suite Preinstalled), TPM, IPMI Module (Optional), and +9~30VDC Input with 270W AC/DC Adapter

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Lanner

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