LEC-2290E

**Nvidia NGC-ready Edge AI Appliance
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 LAN, 4x PoE, 4x USB3.0, 6x COM Ports, 8x DI & 8x DO
- 2x Removable HDD/SSD External Slot w/ RAID, 1x mSATA
- 1x PCIe*16, 1x PCIe*4, 1x Mini-PCIe (PCIe + USB2.0) w/ Nano-SIM, 1x B Key M.2 (PCIe + USB3.0) w/ Nano-SIM
- Built-in TPM 2.0 & Optional IPMI Support

Specification

Embedded Box PC

Processor System

CPU	Intel® Core™ i7 Processor (Coffee Lake)
Frequency	3.2GHz/1.8GHz
Core Number	6/8
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
HDMI	2

Audio

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

Ethernet

Controller	6x Intel i210IT
Speed	10/100/1000 Mbps
Interface	RJ45

Storage

Type	SATA III
Installation	2x Removable HDD/SSD External Slot w/ RAID

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-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-PCIe	1x Mini-PCIe (PCIe + USB2.0) w/ Nano-SIM
PCIe	1x PCIe*16 & 1x PCIe*4
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 V_{DC}
Connector	1x 4-pin Terminal Block
Power Consumption (Idle)	29.5W@ +12V_{DC}-in (see *2)
Power Consumption (Full Load)	121.6W@ +12V_{DC}-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	6.2 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

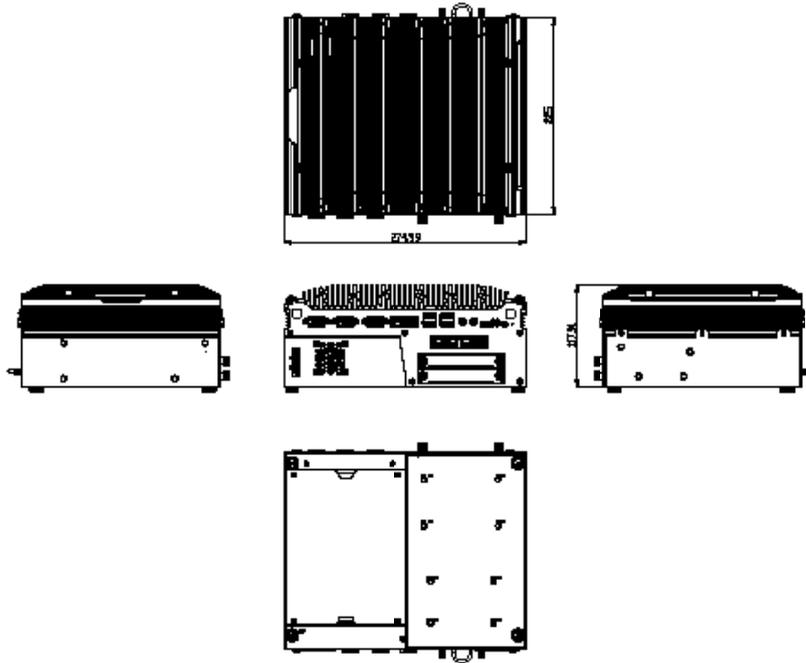### Certification

EMC	CE/FCC, Class A (To be acquired by early March, 2022)
Safety	CB 62368 & 60950/UL 62368 (To be acquired by early March, 2022)

■ Product I/O View

A	COM	**F**	DC Input	
B	LAN	**G**	PoE	
C	USB 3.0	**H**	HDD/SSD Bays	
D	LINE-out/MIC-in	**I**	Status LED	
E	Remote Power	**J**	On/Off Switch	

K	DIO	**P**	PGN Module Slot
L	Display Port	**Q**	PCIe Slot
M	HDMI		
N	COM		
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™ i7-9700TE, 32GB System Memory, 128GB mSATA and 2.5" 256GB SATA Storage, +9~30VDC input with 270W AC/DC adapter, 1*PCIe x16 expansion slot with NVIDIA Tesla A2 GPU Card (NVIDIA AI Software Suite preinstall), with TPM and optional IPMI module

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