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

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 Vdc
- Connector: 1x 4-pin Terminal Block
- Power Consumption (Idle): 29.5W@ +12Vc-in (see *2)
- Power Consumption (Full Load): 121.6W +12Vc-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
- (To be acquired by early March, 2022)
- Safety: UL 62368 & 60950-1 UL 62368
- (To be acquired by early March, 2022)
**Product I/O View**

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

**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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