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INDUSTRIAL PRODUCT DATASHEET

Lumeo Super AI Gateway, powered by NVIDIA Jetson Orin in Super Mode

Powerful edge AI gateway with up to 157 TOPS, rich connectivity, robust thermal design, and cloud-based device management for applications like occupancy tracking, traffic monitoring, and face/license plate recognition.

SKU	UPDATED	PRICE
E26100801	2026-10-10 08:20:06	$0.00(Excl. VAT)



Overview



The Lumeo Super AI Gateway, powered by NVIDIA Jetson Orin in Super Mode, is a powerful edge AI gateway delivering up to 157 TOPS in MAXN Super Mode with rich connectivity including dual Ethernet, USB 3.2, HDMI 2.1, and camera interfaces. It supports robust thermal operation from -20°C to 60°C at 40W and offers effortless device configuration with a user-friendly web interface and cloud-based large-scale device management.

Key Features

01 **Powerful Edge AI Gateway**

02 **Super Boost AI Performance**

Delivers up to 157 TOPS in MAXN Super Mode. Please see the hardware model difference in the following hardware comparison table.

03 **Rich connectivity**

2 RJ-45 Ethernet ports, 4x USB 3.2, HDMI 2.1, SIM card and CAN. Also including M.2 Key E/M, Mini-PCIe, 4x Mipi-CSI for connectivity and cameras.

04 **Robust Thermal Design**

Operates reliably in temperatures from -20°C to 60°C at 40W, and up to 65°C at 25W.

05 **Effortless Device Configuration**

06 **User-friendly web interface**

07 **Device discovery using MDNS/Windows Explorer.**

08 **Pre-installed Lumeo software for quick provisioning.**

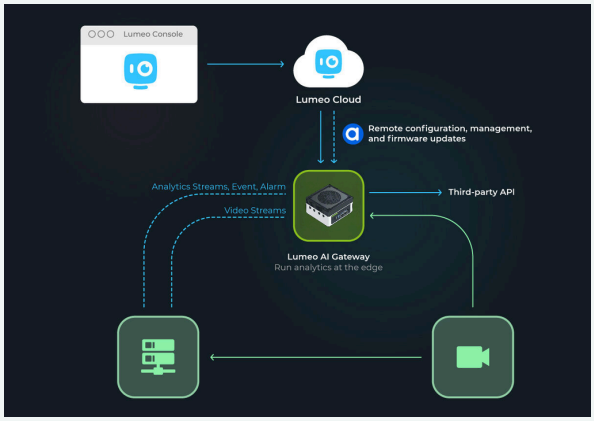
09 **Cloud-based, Large-Scale Device Management**

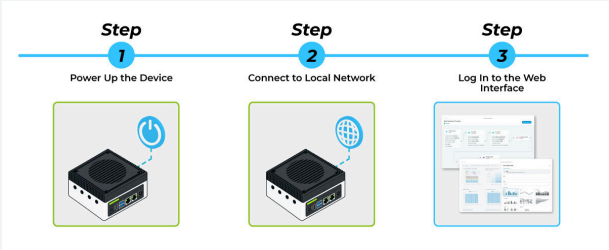
10 **Supports Allxon Remote Edge AI Device Management Service.**

11 **OOB Power Cycling for instantly resolving system errors and unresponsive devices.**

12 **Automatic Fleet Provisioning for deployment and customized BSP OTA update for maintenance.**

Product Gallery
















reComputer Super

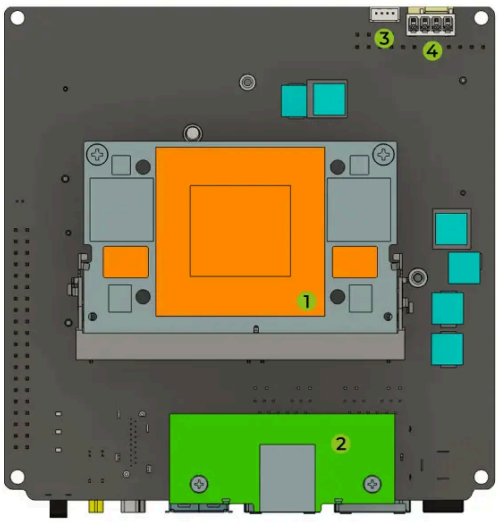

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66 mm
130 mm
120 mm

Hardware Overview



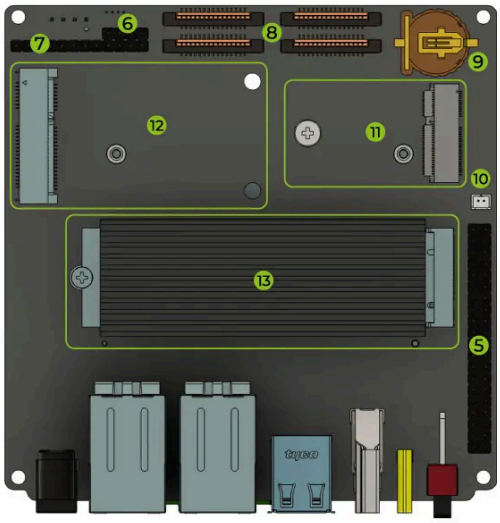
1. DIP Switch
2. Type C USB 2.0
3. HDMI 2.1
4. 4x Type A USB 3.2
5. 2x Pinhole Button
6. 2x LED Indicator
7. SIM Card Slot
8. 2x RJ45 Ethernet Port
9. Barrel DC Jack 5525

Top View



1. Nvidia Jetson Orin Module
2. Extension Board
3. 4-Pin Fan Connector (5V PWM)
4. 4-Pin Fan Connector (12V PWM)

Bottom View



5 40-Pin Extension Header
6 CAN Header
7 12-Pin control and UART header
8 4x 15-Pin MIPI CSI
9 RTC Battery Socket(CR1220)
10 RTC 2-Pin Header(3V)
11 M.2 Key E Slot
12 Mini PCIe Slot
13 M.2 Key M Slot(with SSD)

Applications

- **Track occupancy**
- **Monitor traffic flow**
- **Check vehicle speed**
- **Recognize human faces, license plates, and vehicle makes/models**
- **Identify loitering, crowd gathering, and line crossing**

Resource Links

- https://www.seeedstudio.com/Lumeo-Super-AI-Gateway-powered-by-NVIDIA-Jetson-Orin-in-Super-Mode.html
- Lumeo Gateway Documentation
- reComputer Super Reference Guide
- reComputer Super 3D File
- reComputer Super Schematic
- reComputer Super Temperature Test Report
- Seeed Nvidia Jetson Success Cases
- Seeed Jetson One Pager
- Flash BSP for Jetson

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