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INDUSTRIAL PRODUCT DATASHEET

reComputer J4011B - Edge AI Computer with NVIDIA® Jetson™ Orin™ NX 8GB （Super Mode NOT Supported）

reComputer J4011B - Edge AI Computer with NVIDIA® Jetson™ Orin™ NX 8GB （Super Mode NOT Supported） for smart lamppost, EV battery swapping/charging, and smart recycling center applications.

SKU	UPDATED	PRICE
114993488	2026-11-06 08:06:56	$1025.00(Excl. VAT)



Overview



The reComputer J4011B - Edge AI Computer with NVIDIA® Jetson™ Orin™ NX 8GB （Super Mode NOT Supported） is built as a powerful embedded AI platform for both development and production, with long life time supply and immediate go-to-market readiness. It is designed for applications such as smart lampposts, EV battery swapping/charging systems, and smart recycling centers.

Key Features

01 **Build the Most Powerful Embedded AI Platform**

02 **Design for Both Development and Production**

03 **Immediately Go-to-Market**

04 **Long Life Time Supply**

Product Gallery

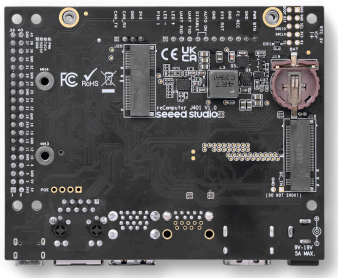


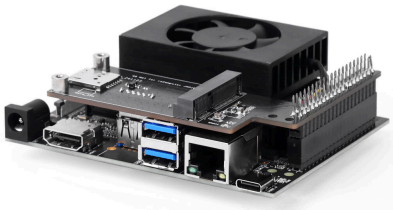




Note: LTE module is not included.









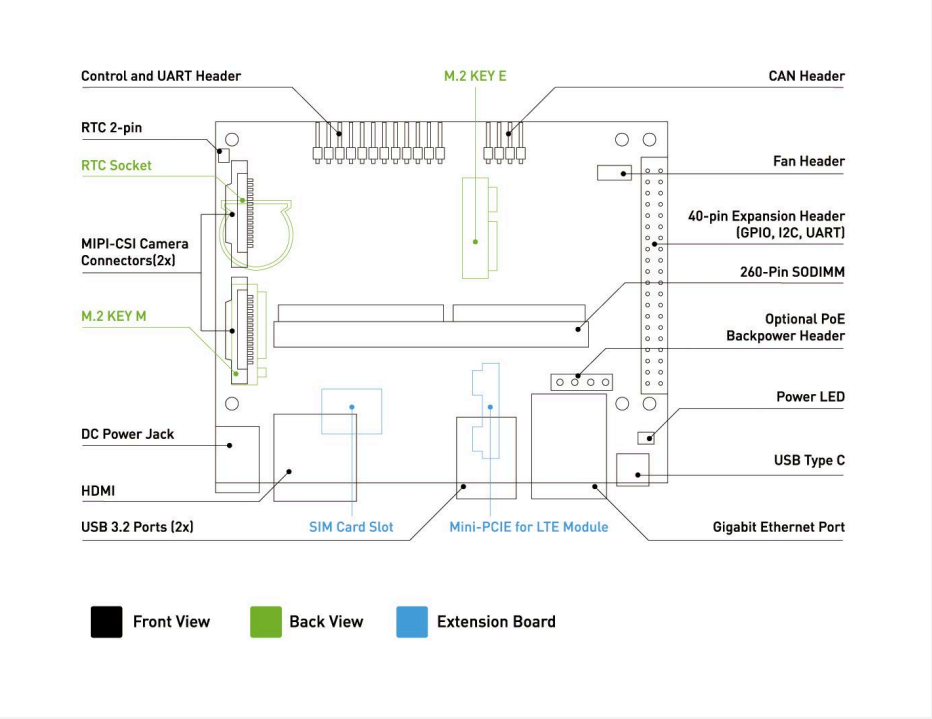



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reComputer J40

Hardware Overview



Applications

- **Smart Lamppost:** Smart lampposts monitor traffic with sensors and transmit data for better traffic control. They integrate solar power, store energy for night use, and may feed excess power to the grid.
- **EV Battery Swapping/Charging System:** Battery swapping eases EV range anxiety. Charging stations, connected to the smart grid, optimize charging times. Some EVs can also supply power to the grid.
- **Smart Recycling Center:** Sensors in recycling bins reduce waste collection trips. Energy - efficient equipment runs during off - peak hours, and recycled materials are used for smart grid and EV components.

Resource Links

- https://www.seeedstudio.com/reComputer-J4011B-p-6407.html
- Datasheet
- Carrier Board Schematic
- LTE board Schematics
- Seeed NVIDIA Jetson Product Catalog
- NVIDIA Jetson Product Comparison
- Seeed NVIDIA Jetson Success Cases
- Seeed Jetson One Pager
- Flash BSP for Jetson

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