

# ML100G-42

## Fanless AMD Ryzen™ Industrial NUC

The ML100G-42 industrial NUC harnesses the power of AMD Ryzen 7 8840U processing in a fanless system built for the challenges of the IoT edge.

[onlogic.com/store/ml100g-42](https://onlogic.com/store/ml100g-42)



### Efficient High-Performance

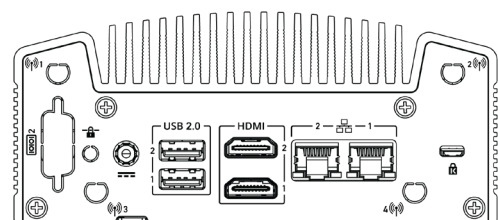
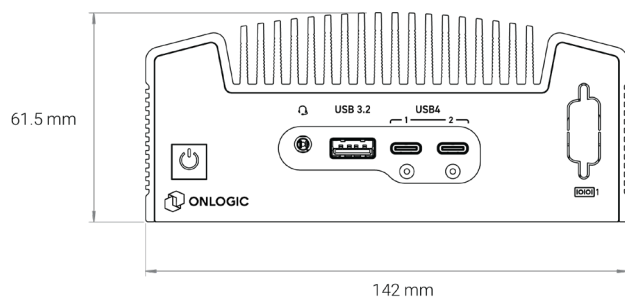
The AMD Ryzen 7 8840U's 8 cores and 16 threads provide excellent multi-threaded performance for advanced data processing, simulation, or machine learning at the edge.

### Powerful Processing Built For AI

An integrated NPU gives the ML100G-42 strong AI capabilities. Optional Hailo cards enable flexible deployment of custom AI models in a wide range of automation applications.

### Engineered To Last, Anywhere

Solid-state components and passive cooling reduce failure points, extending system lifespan. 12-24 VDC input, a compact footprint, and a range of mounting options enable flexible installation.



### OnLogic North America

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## System

Processor Generation	AMD Ryzen 8000 NUC Computer
Graphics	AMD Radeon™ Graphics
Memory	Up to 96GB 5600 DDR5
Number of Displays Supported	4

## Front I/O

Power Button	1x Audio jack (Mic-in, Line-out) 1x Power Button
USB-A	1x USB 3.2 Gen 2
USB-C	2x USB4 (5V/3A, supports DP1.4a display output)
COM	1x Optional COM (RS-232)

## Rear I/O

USB-A	2x USB 2.0
Ethernet	1x 2.5 GbE LAN Port 1x 1GbE LAN Port
Display	2x HDMI ports
Power	1x DC Barrel Jack
COM	1x Optional COM (RS-232)

## Storage, Expansion & Management

Storage	2x M.2 NVMe Gen4 (RAID Compatible)
Optional Expansion	M.2 2230 E-Key slot Hailo M.2 Dual DB9 COM (RS-232)

## Power Input

Source	DC Barrel Jack
Wattage	12V~24V DC Jack

## Mechanical & Weight

Dimensions (WxHxD)	142 x 61.5 x 107 mm (5.6 x 2.4 x 4.2")
Case Type	Compact, Fanless
Case Material	Aluminum
Weight	1.2kg / 2.63lbs (System Only)
Mounting Options	Wall, VESA, DIN
Expected Life Cycle	3 yrs
Hardware Type	Industrial Fanless

## Environment & Regulatory

Operating Temperature	0-50°C
Certifications	RoHS, Reach
Countries of Use	USA, Canada, EU *New Zealand, Australia (Available Q1 2025)

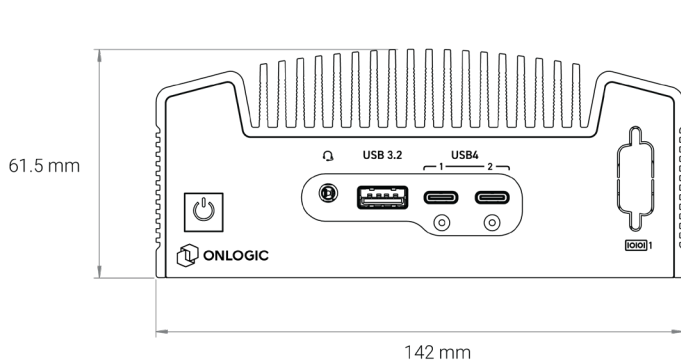
## Other

Warranty	2 Year Standard 3 Year Extended 5 Year Extended
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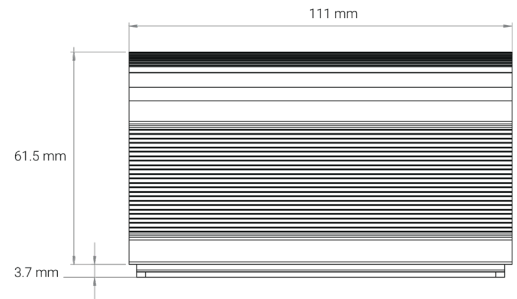
## ML100G-42 Dimensional Drawings

DIN and Wall Mounting

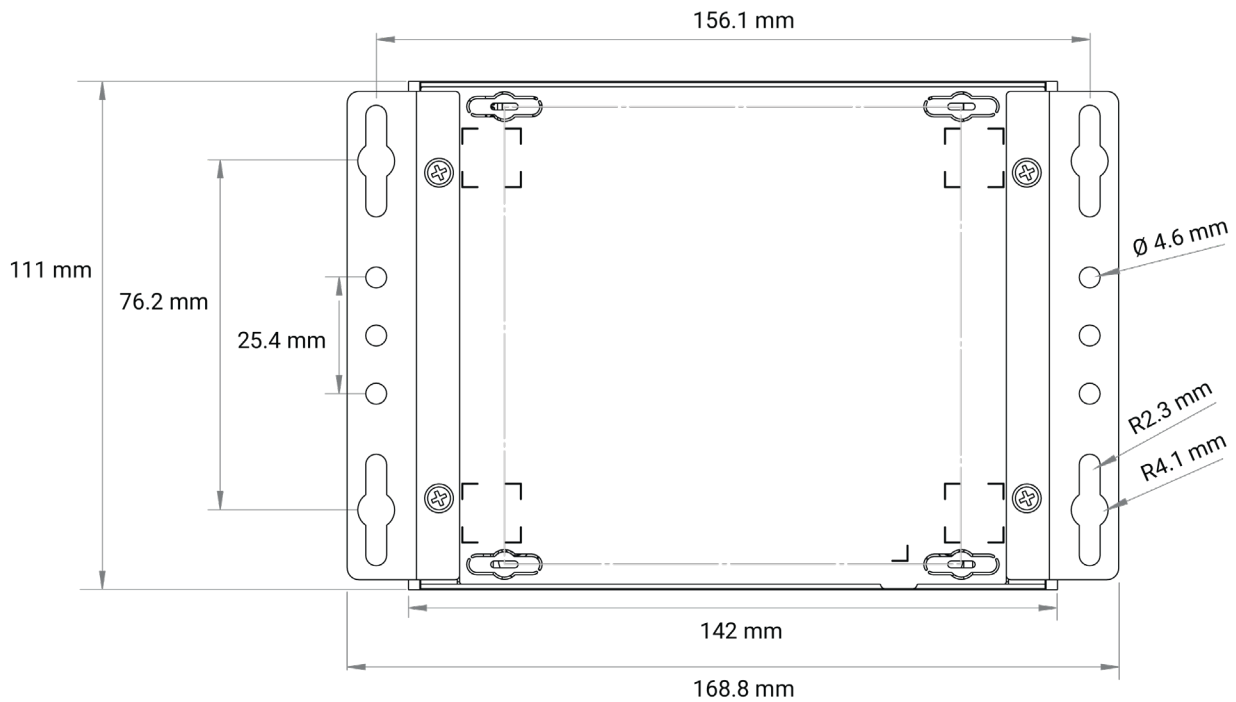
all measurements in mm



FRONT



SIDE



BOTTOM

# ML100G-42 Dimensional Drawings

VESA Mounting

all measurements in mm

