

ML100G-41

Industrial Fanless AMD Ryzen 4000 Compact Computer

The ML100G-41 fanless AMD Ryzen compact computer offers quad-display support, AMD Radeon™ graphics and the protection of OnLogic Hardshell™ Technology.

onlogic.com/ml100g-41



The Versatility Of The Ryzen 4000 Series

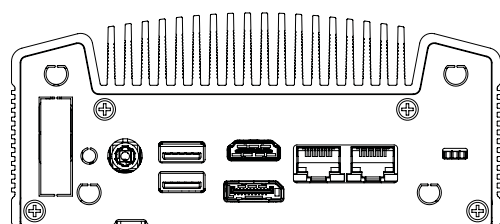
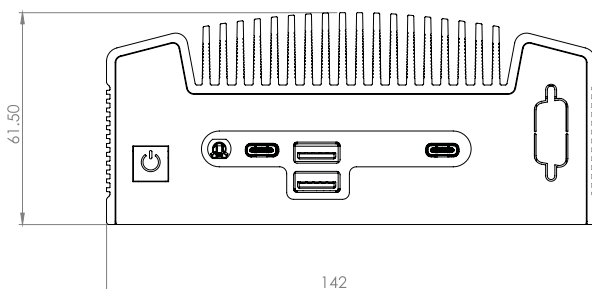
The ML100G-41 is powered by the AMD Ryzen 4000 series, with impressive performance for both graphics intensive applications and multitasking workloads. Choose from the AMD Ryzen 3 4300U (Quad-Core) or Ryzen 7 4800U (Octa-Core) processors with onboard AMD Radeon™ graphics and up to 32GB of dual channel DDR4 memory.

Put AMD Power Wherever You Need It

Our Hardshell™ Fanless Technology is optimized for reliable passive cooling and protects the system from dust, debris, chemical and moisture ingress. Power input of 12 to 19 VDC, a wide operating temperature range, and a variety of installation options, mean you can install the ML100G-41 wherever you need it.

Quad-Display Capable

The ML100G-41 offers versatile connectivity and impressive networking capabilities to power your project. 2 x USB 3.2 Gen 2 (Type-A), 2 x USB 3.2 Gen 2 (Type-C), 2 x USB 2.0, HDMI and DisplayPort support up to 4 simultaneous 4k displays. One Gigabit LAN port and one 2.5 Gigabit LAN port provide blazing fast data transfer to your network or the cloud, and onboard COM lets you connect to your legacy equipment or sensors.



US Office

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EU Office

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System	
Processor	AMD Ryzen 3 4300U AMD Ryzen 7 4800U
Processor Speed	2.7GHz/1.8 GHz
Processor Socket	Onboard (BGA)
Processor Generation	Renoir
Processor Cores	4 8
Graphics/GPU	AMD Radeon Graphics
Memory Type	DDR4 SO-DIMM (non-ECC)
Memory Capacity	32 GB
Memory Speed	3200 MHz
Memory Slot Count	1
Number of Displays Supported	4

Rear I/O	
USB	2 x USB 2.0 Gen2 (Type A)
Video	1 HDMI Port 1 DisplayPort
Other	1x GbE Port 2x 2.5x GbE Port

Front I/O	
USB	2 x USB 3.2 Gen2 (Type A) 2 x USB 3.2 Gen2 (Type C) (Supports DP1.2a display output)
Audio	1 (headphone & microphone jack)
Other	1 Optional COM port
Port Punchouts	4 Antenna holes

Expansion & Features	
Expansion Options	1x M.2 E Key 2230 slot
Storage Options	1 M.2 2280 PCIe Gen 4.0 x4/SATA
LAN Controller	Realtek RTL8111GN 10/100/1000 Realtek RTL8125BG with 10/100/1000/2500 Mbps
Input Voltage	12 VDC
Power Input	DC jack

Mechanical	
Dimensions (WxHxD)	142 x 62 x 1011 mm 5.6" x 2.4" x 4.4"
Mounting Options	DIN-mount VESA-mount Wall-mount
Case Type	Compact Fanless
Case Material	Aluminum Extrusion Steel

Environmental & Regulatory	
Operating Temperature	0 - 50°C
Certifications	FCC 47 CFR Part 15 CE WEEE Directive (2002/96/EC) ErP Directive (2009/125/EC) RoHS 2 (2011/65/EU) REACH EN 55024 EN 55032 EN 55035 EN 62368-1

Other	
Warranty	2 Year Limited Warranty on parts and services
Notes	Please note, this product does not support audio over HDMI. For audio, please use the DisplayPort outputs or front 3.5 mm audio jack

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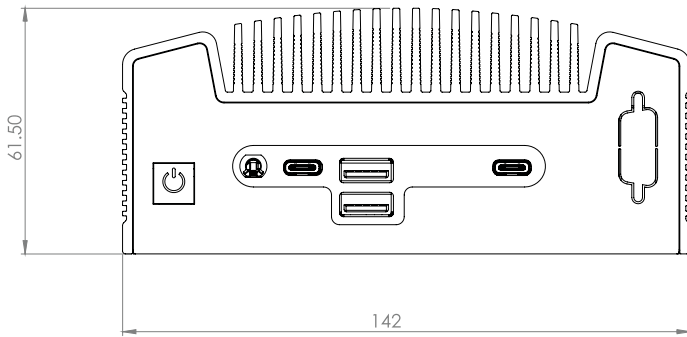
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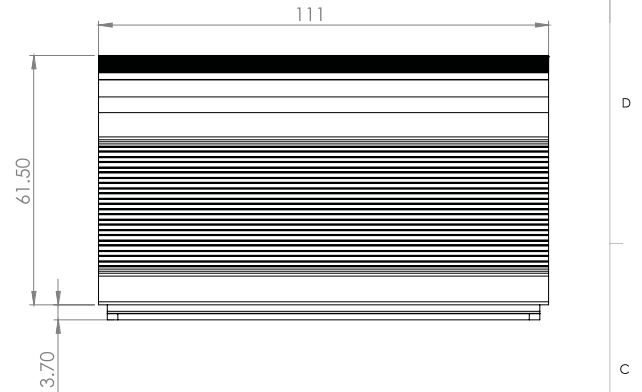
ML100G-41 Dimensional Drawings

DIN and Wall Mounting

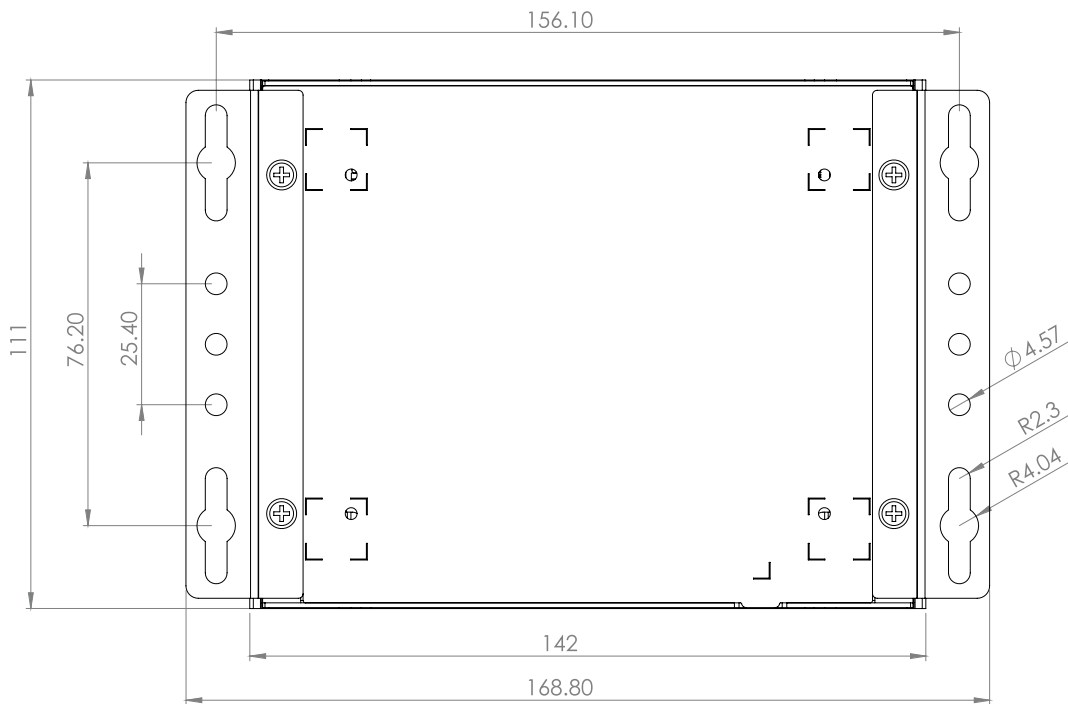
All measurements in mm



FRONT



SIDE



BOTTOM

ML100G-41 Dimensional Drawings

VESA Mounting

All measurements in mm

