

# MK100B-40

## 1U Rackmount AMD Ryzen™ Server

The MK100B-40 AMD Ryzen Server leverages AMD's 3rd generation Ryzen CPUs to provide up to 16 cores of unparalleled multitasking and performance in a compact 1U form factor.

[onlogic.com/mk100b-40](https://onlogic.com/mk100b-40)



### Advanced Data Management

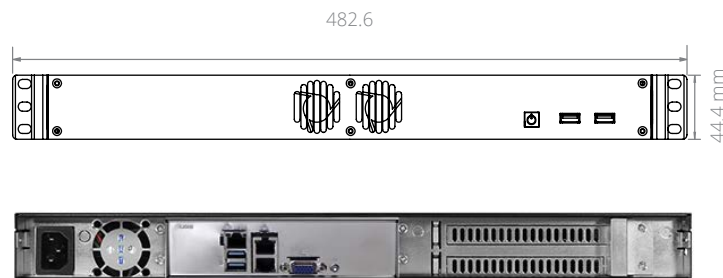
With Ryzen's built-in Intelligent Platform Management Interface (IPMI) support, you can remotely manage this AMD server from anywhere. Dual 10GbE NICs enable lightning fast data handling and minimize latency for advanced industrial control at the edge.

### Thoughtful Design

Built with industrial applications in mind, the MK100B-40 is designed to fit 1U racks and is capable of reliable 24/7 operation. With reversible mounting ears to support I/O-forward installations, the MK100B-40 will fit your application in both performance and form factor.

### Multi-Core Computing

Combining the capabilities and value of Ryzen processing with server capabilities and features, the MK100B-40 is unlike anything else on the market, perfect for AI, machine learning, robotics or high performance data processing.



#### US Office

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#### EU Office

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System	
Processor	AMD Ryzen™ 5 3600 AMD Ryzen 7 3700X AMD Ryzen 9 3900X AMD Ryzen 9 3950X
Processor Speed	Up to 4.2 GHz (5 3600) Up to 4.4 GHz (7 3700X) Up to 4.6 GHz (9 3900X) Up to 4.7 GHz (9 3950X)
Processor Cores	6 ~ 16
Chipset	AMD Premium X570
Integrated Graphics	ASPEED AST2500
Memory	DDR4 R-DIMM (ECC) Up to 128 GB

Rear I/O	
Ethernet	2 10GbE LAN ports
USB	2 USB 3.1 Gen2 ports
Video	1 VGA Port

Front I/O	
USB	2 USB 2.0 ports
Other	Power button

Expansion & Storage	
Expansion & Storage	1 PCIe x16 slot (4th Generation) 2 SATA III 2.5" Drives 1 M.2 2280 (PCIe 4.0 x4/SATA3 6.0Gb/s)

Mechanical	
Dimensions (WxHxD)	482.6 x 44.4 x 257.05 mm
Mounting Options	Wall-mount Rackmount

Environmental & Regulatory	
Operating Temperature	0°C to 35°C
Certifications	FCC 47 CFR Part 15 CE WEEE Directive (2002/96/EC) ErP Directive (2009/125/EC) Low Voltage Directive (2014/35/EU) Electromagnetic Compatibility Directive (2014/30/EU) Radio Equipment Directive (2014/53/EU) - For configurations with wireless transmitters RoHS 2 (2011/65/EU) RoHS 3 (2015/863/EU) REACH EN 55032 EN 55035 EN 61000-3-2 EN 61000-3-3 EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8 EN 61000-4-11 EN 62368-1

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## MK100B-40 Dimensional Drawings

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All measurements in mm

