

AC101

OnLogic Axial AC101 Intel Raptor Lake (13th Gen) Rackmount Edge Server

The AC101 is a 1U shallow depth rackmount server built upon the power and performance of Intel® Core processors and is ideal for cloud repatriation solutions where low latency and reduced dependency on cloud services are required.

onlogic.com/ac101



SCALABLE PERFORMANCE

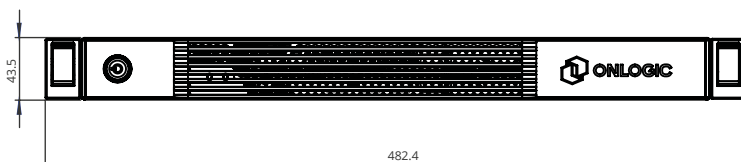
The AC101 is equipped with an Intel 13th Gen i3, i5, i7, or i9 processor featuring Hybrid Architecture, a hardware innovation allowing more than one thread to run on each core. Each processor is equipped with UHD graphics functionality and supports up to 128GB of DDR5 memory.

SERVER GRADE SYSTEM MANAGEMENT

IT staff have license-free access to the Baseboard Management Controller (BMC) for system oversight with user validation available through an active directory. Event monitoring, event-based video recording, and overall system health are a few of the BMC features.

ENTERPRISE GRADE INDUSTRIAL DESIGN

The Axial AC101 is a 1U shallow depth rackmount server capable of supporting redundant power and full-length GPUs. The system also supports a locking front security bezel, and chassis top cover with intrusion detection to deter tampering.



US Office

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EU Office

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System

Processor Generation	Intel® 13th Gen Raptor Lake-S (LGA1700) Core i3, i5, i7 & i9 up to 24-core 32-thread
Graphics / GPU	Intel® UHD Graphics 730 (i3) or 770 (i5, i7, i9)
Memory	Support up to 4x DDR5-4800 UDIMMs (non-ECC or ECC) Up to 128GB total memory
Memory Speed	Maximum operational speed: 4400 MT/s
Number of Displays Supported	3

Front I/O

USB	2x USB 3.2 Gen 1 Type A
Power Button	1x Power button & LED (white)
LED	1x ID Button / LED (blue)

Rear I/O

Ethernet	2x 10GbE 2x 1GbE 1x GbE Dedicated Management (BMC/IPMI)
USB	2x USB 3.2 Gen 1 Type A
Serial	1x DB9 (COM)
Display	1x DisplayPort 1x HDMI 1x VGA

Expansion & Features

Expansion & Storage	1x M.2 2280/2260/2242/2230 M-key (PCIe Gen 3 x4) 1x PCIe Gen 4 x16 full height, full length slot (up to 150W) Up to 4x 2.5" (NVMe or SATA)
LAN Controller	2x Intel® i210 controllers (2x 1GbE ports) 1x Intel® X710 controller (2x 10GbE ports)
Security Features	Intel PTT (Native), Optional TPM 2.0 module, Secure Boot, Chassis Intrusion Detection, Security Bezel

Mechanical

Dimensions (WxHxD)	515 x 430 x 43.5mm (19.7" x 16.9" x 1.7")
Case Type	Actively cooled 1U rackmount chassis
Case Material	Steel
Weight	10.02 kg / 22.1 lbs
Mounting Options	19" Rackmount Wall mount
Physical Security	Removable front security bezel
Expected Life Cycle	5 Years
Hardware Type	Edge Server

Power Input

Source	100~240 VAC
Wattage	450W or 750W single or redundant PSU

Environmental & Regulatory

Operating Temperature	5~40°C (ASHRAE A3 temperature)
Certifications	FCC 47 CFR Part 15 (Class A) CAN ICES-003(A) / NMB-003(A) (Class A) CISPR 32 / 35 (EN 55032 / EN 55035 Class A) FCC/CE Class B upon request UL/EN/IEC 62368-1 (UL E490677) NRTL + CB
Countries of Use	Certification markings: FCC, CE, UKCA, CB, cULus, RoHS 3.0, WEEE Available countries: Americas: Canada, United States Europe: Austria, Belgium, Bulgaria, Croatia, Czech Republic, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Liechtenstein, Luxembourg, Malta, Norway, The Netherlands, United Kingdom, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden Available countries upon request: Asia: Australia, China, Japan, New Zealand Other countries may be available, please call

Other

Warranty	2 Year Limited Warranty on parts and services 3 and 5 year extensions optional
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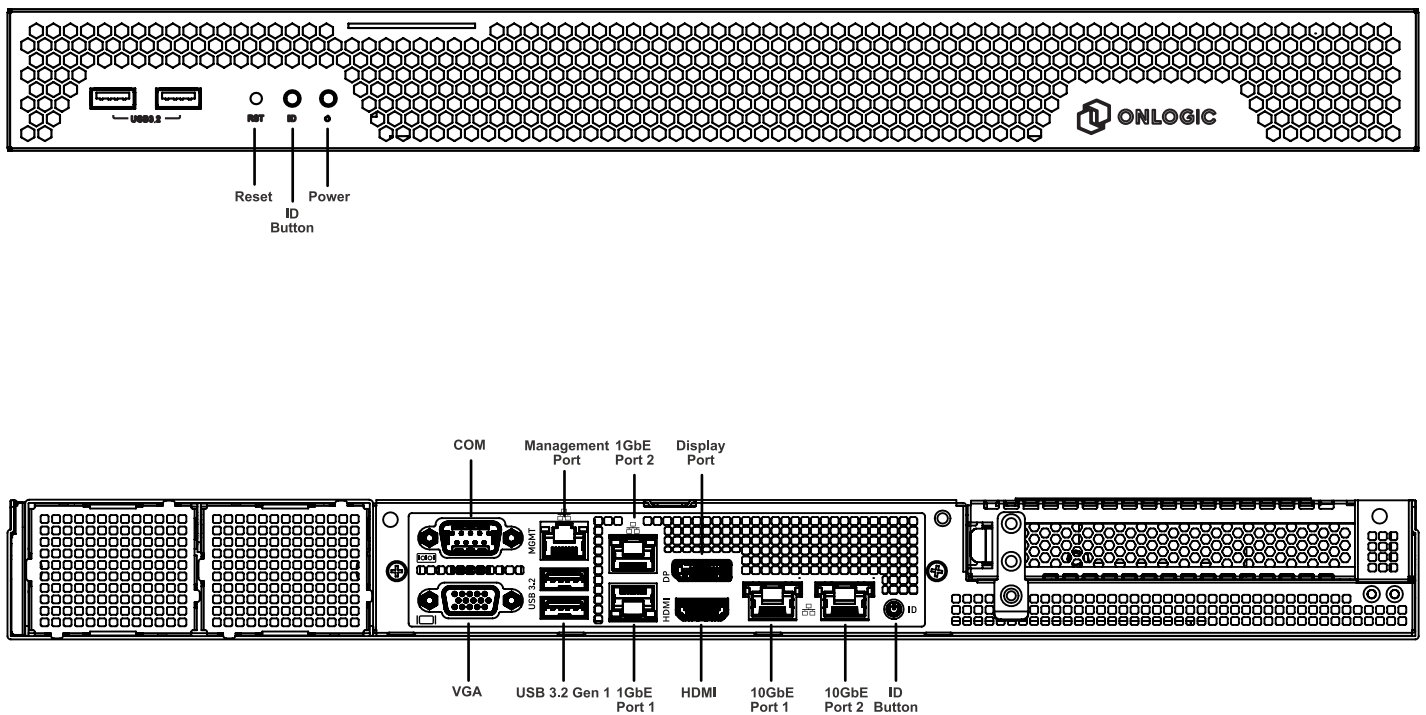
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AC101 Dimensional Drawings

Intel Raptor Lake (13th Gen) Rackmount Edge Server

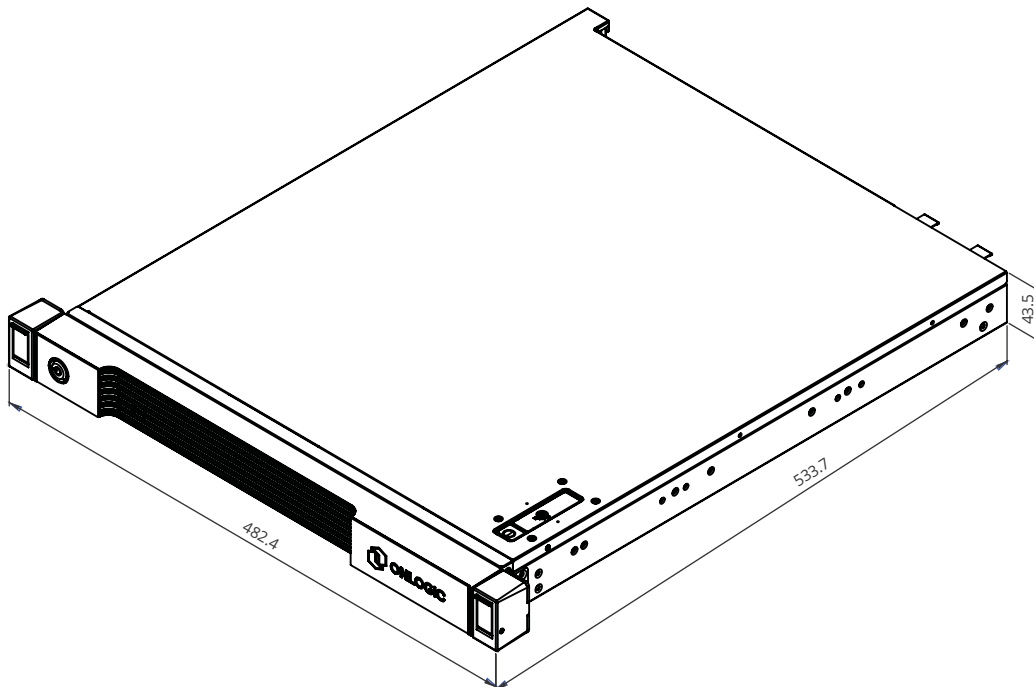
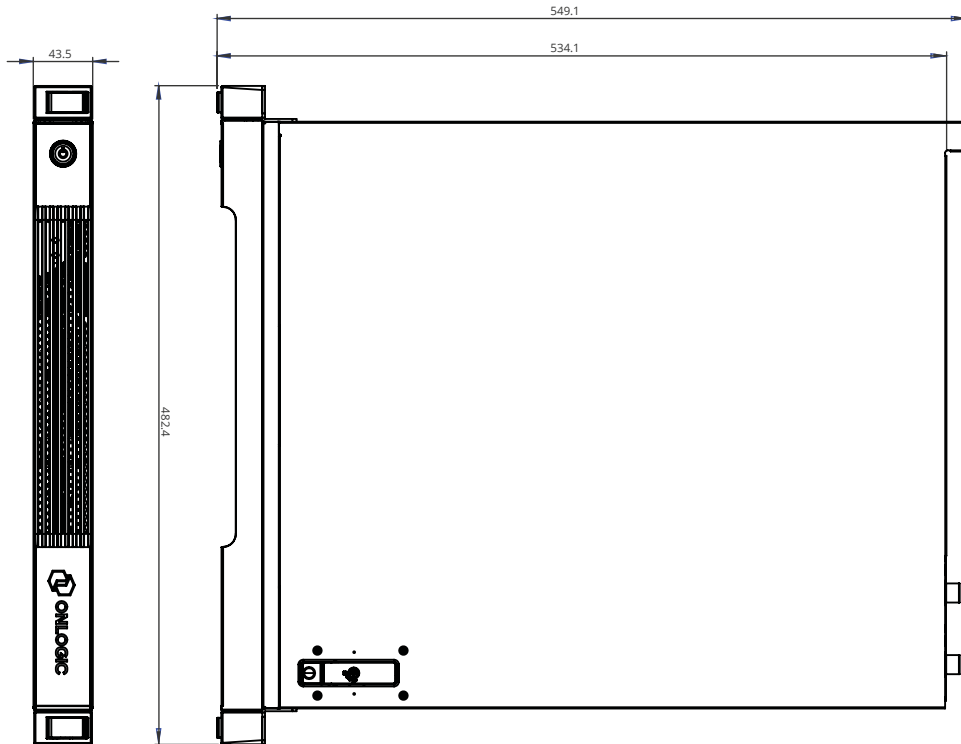
All measurements in mm



AC101 Dimensional Drawings - With Security Bezel

Intel Raptor Lake (13th Gen) Rackmount Edge Server

All measurements in mm



AC101 Dimensional Drawings - Without Security Bezel

Intel Raptor Lake (13th Gen) Rackmount Edge Server

All measurements in mm

