

# MC510-55

## OnLogic MC510-55 Intel® 13th Gen Edge Computer

The MC510-55 delivers reliable industrial computing using Intel® 12th or 13th Generation performance hybrid processing. The system is ideal for real-time decision making in automation, edge computing, or AI applications

[onlogic.com/mc510-55](https://onlogic.com/mc510-55)



### Intel 13th Gen Processing

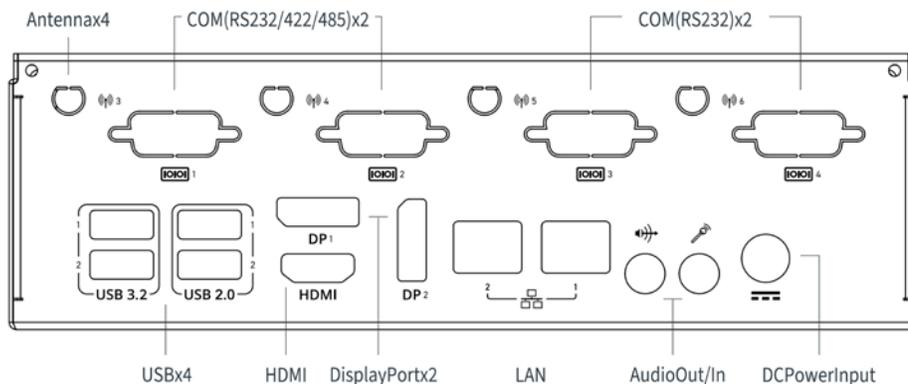
The MC510-55 can be configured with a range of Intel 12th or 13th Generation processors. By combining Performance and Efficiency Cores, Intel's performance hybrid architecture more efficiently distributes resources helping the MC510-55 to excel at Machine Learning, AI, and advanced automation tasks.

### Engineered For Industrial Use

The system's all-metal enclosure looks equally at home on a workstation as it does in a control cabinet. Cross-case ventilation is optimized for low noise and reliable, 24/7 operation. RoHS, FCC, CE, and UL certifications all help provide peace of mind for the life of your project.

### Easy To Interface With

6x USB and 4x COM let you easily connect your peripherals and supporting equipment. HDMI and 2x DisplayPort give you triple display support while a pair of 2.5 Gigabit LAN ports provide lightning fast networking. Additional expansion is available via M.2 key E, 2230 and M.2 Key B, 3042/3052.



#### US Office

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#### EU Office

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System	
Processor Generation	Intel Alder Lake (12th), Raptor Lake (13th) Celeron, i3, i5, i7, i9
Graphics	Iris Xe* *Requires Dual Channel Memory
Memory	DDR4 3200 MHz up to 64GB
Number of Displays Supported	3 Independent displays (1 x HDMI 2.0b, 2 x DP 1.4a, 1 x LVDS, 1 x eDP1.4b)

Front I/O	
Ethernet	Backlit, On/Off
USB	2x USB 2.0

Rear I/O	
USB	2x USB 3.2 (Gen2) 2x USB 2.0
Ethernet	2x 2.5 Gigabit LAN
Display	1x HDMI 2.0b, 2 x DP 1.4a++
Serial or CAN-Bus	4x COM (2x RS-232), (2x RS-232/422/485)
Power	12~28V Barrel Jack
Audio	2x Audio Jack (Mic-in, Line-out)

Storage, Expansion & Management	
Storage	1x M.2 (Key M, 2242/2260/2280) with PCIe Gen3 x4 for SSD 2x SATA3 (6Gb/s)
Expansion	1x M.2 (Key E, 2230) with PCIe x1, USB 2.0 and CNVi for Wireless 1x M.2 (Key B, 3042/3052) with PCIe x1, USB 3.2 Gen1, USB 2.0 and SIM for 4G/5G

Power Input	
Source	12~28V DC-In with DC Jack (Screw type)
Wattage	Max 280W

Mechanical & Weight	
Dimensions (WxHxD)	155.2mm x 162.5mm x 48.5mm
Case Type	Compact
Case Material	Aluminum Steel
Weight	6.2lbs
Mounting Options	Wall, VESA, DIN
Expected Life Cycle	2024 thru 2029
Hardware Type	Edge Devices and IoT Gateways

Environmental & Regulatory	
Operating Temperature	0 - 50°C
Certifications	UL/EN/IEC 62368-1 NRTL + CB UL/EN/IEC 60950-1 (UL E490677) NRTL + CB CISPR 32/EN 55032 CISPR 35/EN 55035 IEC 60601-1-2, 4th ed. - EMC Ready, FCC 47 CFR Part 15 Subpart B (Class A) Radio Equipment Directive (2014/53/EU) WEEE Directive (2012/19/EU) RoHS 3 (2015/863/EU) REACH
Countries of Use	US, Canada, UK, EU, Australia, China & New Zealand

Other	
Warranty	2 Year Limited Warranty on parts and services

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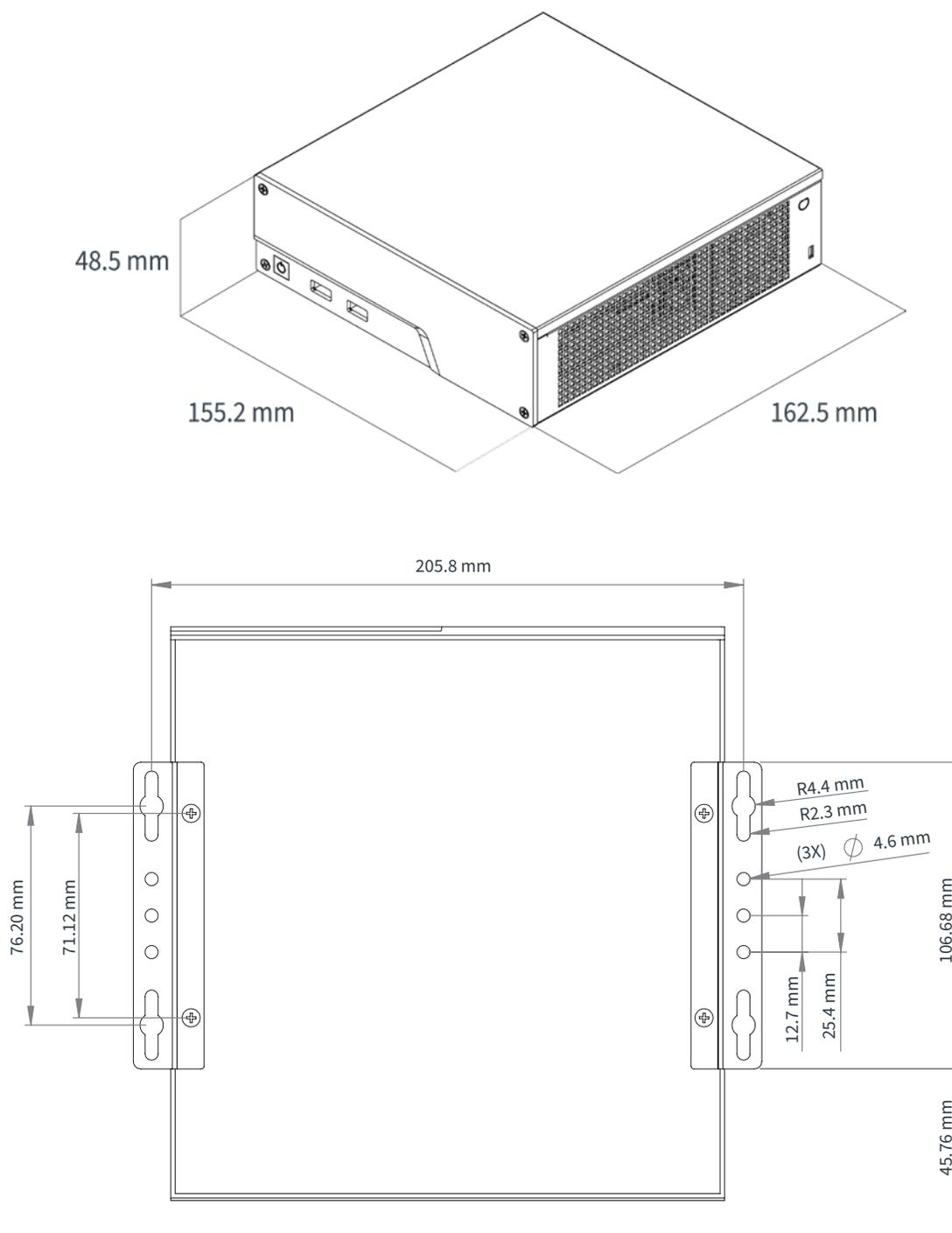
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## MC510-55 Dimensional Drawings

OnLogic MC510-55 Intel® 13th Gen Edge Computer

All measurements in mm



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