

# Impact-R 158/159

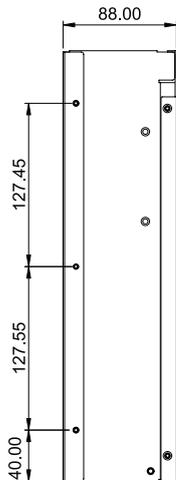


## Features

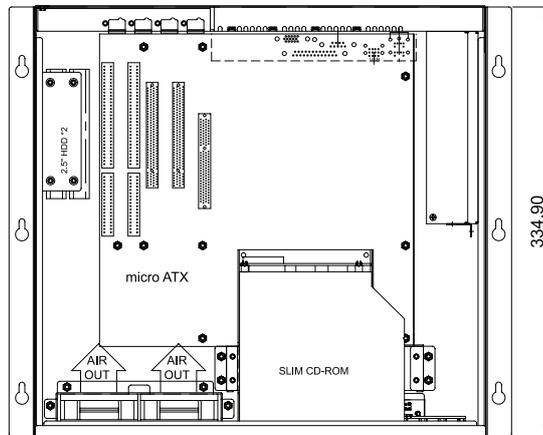
The Impact-R series utilise industrial components, which provide revision control together with a 15-year product life. Our production processes are controlled under ISO 9001 and every system undergoes a full diagnostic burn-in prior to shipment.

- Intel® CFL/CFL-R Processor support
- Up to 32GB RAM
- 3 PCIe slots
- Compact design
- Wall/Desk/Rack Mountable

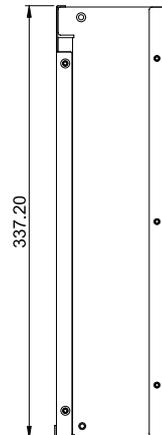
## Dimensions



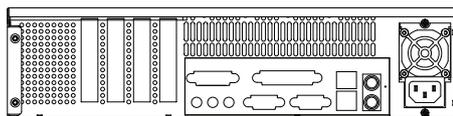
Left-side View



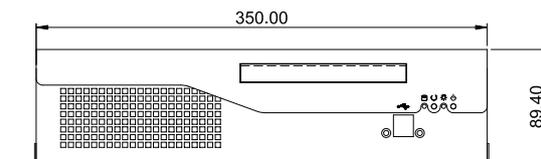
Top View



Right-side View



Rear View



Front outside View

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## Impact-R 158/159

## Specifications

The information is believed to be accurate. However Amplicon Liveline Limited accepts no responsibility for any problems caused by errors and omissions. Specifications are subject to change without notice.

Hardware Specification	CPU: Intel® LGA1151 8th/9th generation Core™ i7/i5/i3, Pentium™ and Celeron™ Chipset: Intel® Q 370 Chipset Memory: 2 x 288-pin So-DIMM dual channel DDR4-2133, up to 32 GB LAN: Dual Intel® GbE (i219LM/i211AT)	Mechanical	Design: Rugged compact embedded design Cooling: Fanless design Construction: Extruded Aluminium Colour: Black Dimension: 350 x 89 x 337mm (W x H x D) Packaging: 460 x 220 x 450mm (W x H x D) Gross Weight: 2.8kg
Storage	2 x 2.5" SSD/HDD Support for RAID 0 and 1 M.2 2242/60/80 supports NVME	Environmental operation	Acoustic noise: Near silent operation Operating Temperature: 0°C to 55°C Humidity: 10 to 90% non-condensing
System Expansion	3 full height PCIe (x16, x8, 4)*1 1 x M.2 2230 E Key	Environmental storage	Temperature: -20 C to 70 C Humidity : 5% to 90% @ 20 C
System Architecture	Industrial use Mini-ITX motherboard	Electromagnetic Compatibility (EMC)	EN 55022 Class A EN 55024 Electrostatic discharge immunity test (EN61000-4-2) Enclosure port ±4kV Contact, applied to enclosure port ±8kV Air, applied to enclosure port  Radiated, radio-frequency, electromagnetic field immunity test (EN61000-4-3)  Enclosure port 80-1000MHz, 10 V/m (RMS, no modulation) 80% Modulation with 1kHz Sine wave  Electrical fast transient/burst immunity test (EN61000-4-4) Power port inc. protective earth Severity ±0.5kV  Immunity to conducted disturbances induced by radio frequency fields (EN61000-4-6)  Power port inc. protective earth via CDN M3 0.15-80MHz, 10 V/m (no modulation) 80% Modulation with 1kHz Sine wave, applied via CDN  Amplicon own a fully equipped EMC facility and can provide many additional tests to meet your requirements.
Supported O/S *2	Windows 10, Linux	Certifications	CE
External Interfaces	4 x USB 3.0 2 x USB2.0 (Front) 2 x RJ45 LAN 1 x RS-232 1 x RS-232/422/485 1 x DP++ 1 x VGA MIC-in/Line-in/Line-out PS/2		
LEDs and Switches	Power (PC on LED) Hard disk access LED ATX system control switch		
Main board power options	Supports DC input voltage +9-36VDC		

\*1 PCIe lanes are dynamically spread over the 3 slots

\*2 Skylake CPU only. KabyLake will support Windows 10 64bit only