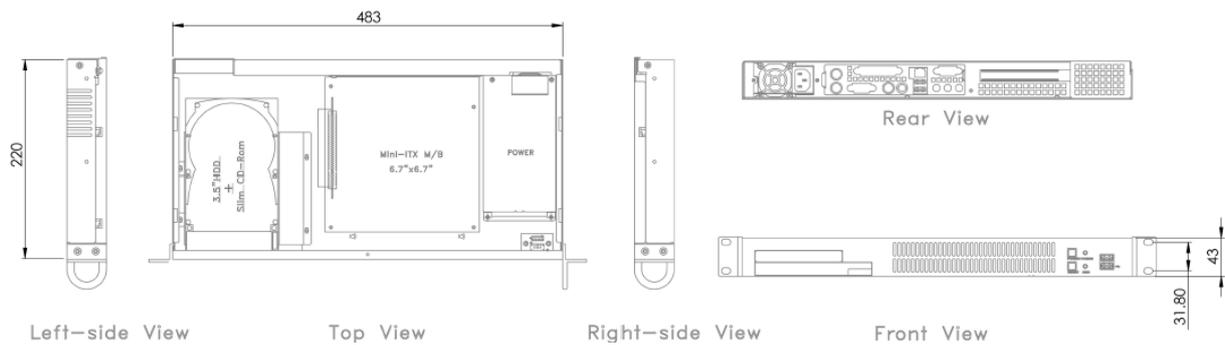# Impact-R 1080

Features

The Impact-R 1080 series are powered by Intel® based commercial motherboards, delivering a compact and flexible computer platform.

- Intel® Coffee lake CPU architecture
- DDR4 Memory up to 32GB
- Supports 3 native displays simultaneously

Our production processes are controlled under ISO 9001 and every system undergoes a full diagnostic burn-in prior to shipment.

Dimensions

Left—side View   Top View   Right—side View   Front View

Rear View

Impact-R 1080

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.

Specifications

Hardware Specification	CPU: Intel® LGA1200 8th/9th Generation Core™ /i7/i5/i3 Chipset: Intel® Q370 Memory: 2 x DIMM - max 32GB DDR4 2666MHz non-ECC LAN: Intel® I211AT/I219LM GbE	Mechanical	Design: EIA RS-310C 19" Rackmount Standard Construction: Heavy Duty Cold Rolled Electroplated Steel Colour: Black (custom colours available for large orders) Dimension: 483 x 43 x 220mm (19" x 1.7" x 8.7") Package Size: 57.3 x 18.5 x 35.5 (22.6" x 7.3" x 14") Internal Cooling: 1 x 40mm ball bearing fan Gross Weight: approximately 10kg
Display	1x HDMI, Resolution max. up to 4096x2304 @30Hz. 1 x DP++, resolution up to 4096x2160 @ 60Hz		
BIOS	AMI		
Storage	Total Drive capacity: 1 x 2.5" bay M.2 Key M (2242/2260/2280); supports NVMe Bay for slim DVD	Environmental operation	Acoustic noise: Approximately 44dB(A) sound pressure 23°C (typical) Temperature: 0 to 60°C (tested for extended operation up to 50°C) Humidity: 5 to 90% at 25°C non-condensing
System Expansion (low profile)	1 x PCIe x16 (Gen 3) 1 x M.2 E key (2230)	Environmental storage	Temperature: -20 to 65°C Humidity: 5 to 90% at 25°C non-condensing
		Reliability	System MTBF: Critical components failure >45,000 hrs @ 25°C (we can provide information for specific configurations). Full burn-in diagnostic run on every system.
System Architecture	Intel® Based Industrial motherboard		
Supported O/S	Windows 10/Linux	Certifications	CE/UKCA
External Interfaces	Front: 2 x USB 2.0 On/Off Switch, Reset Pwr/HDD LEDs Rear: 2 x GbE (RJ-45) 1 x RS232/422/485 (DB-9) 1 x RS232 (DB-9) 4 x USB 3.2 Gen1 2 x USB 2.0 1 x HDMI, 1 x DP++, 1 x Line-out, 1 x Mic-in		