

# Impact-R 2080



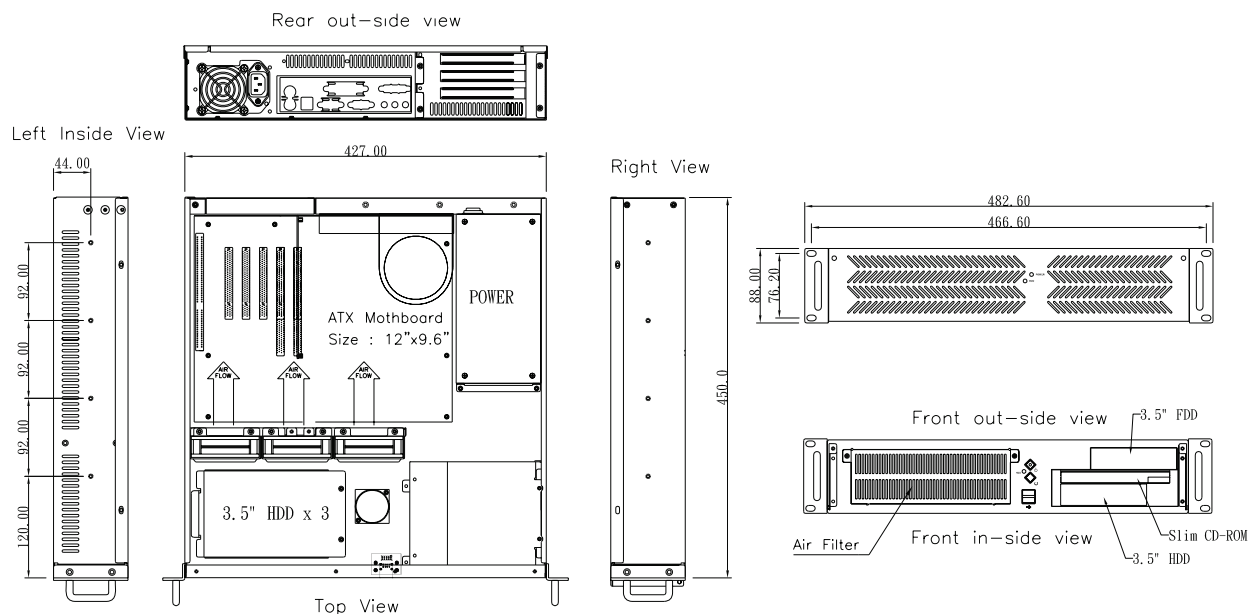
## Features

The Impact-R 2080 series computers are powered by Intel® based motherboards, delivering a compact and flexible computer platform.

- Intel® Coffee lake CPU architecture
- DDR4 Memory up to 64GB
- Supports 3 native displays

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

## Dimensions



# Impact-R 2080

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® LGA1151 8th Generation Chipset: Intel® Q 370 Memory: 4 x DIMM (max 128GB DDR4 2666MHz non-ECC Dual channel architecture) Graphics: Integrated GPU: DP - max 4096*2160 @ 24Hz DVI-D - max 1920*1200 @ 60Hz VGA - max 1920*1200 @ 60Hz HDMI - max 4096*2160 @ 24Hz LAN: Dual Intel® GbE (i219LM/i211AT)	Mechanical	Design: EIA RS-310C 19" Rackmount Standard Construction: Heavy Duty Cold Rolled Electroplated Steel Color: Black (custom colours available for large orders) Dimensions: 483(W) x 88(H) x 450(D)mm (19.0" x 3.5" x 17.7") Packaging Size: 615(W) x 224(H) x 600(D)mm (24.2" x 8.8" x 23.6") Total drive capacity: 1 x Slim 5.25" external, 1 x 3.5" external, 4 x 3.5" internal or 1 x 5.25" external, 1 x 3.5" external, 3 x 3.5" internal Cooling: 3 x 80mm ball bearing fans (42.5 CFM each) Air filter: removable (washable) Gross Weight: approximately 17 kg
BIOS	AMI	Environmental operation	Acoustic noise: Approximately 49dB(A) sound pressure at 23°C (typical) Temperature: 5 to 60°C (tested for extended operation up to 50°C) Humidity: 5 to 90% at 25°C non-condensing
Storage	Total Drive capacity: 4 x 3.5" HDD & 1 x 5.25" bay, or 5 x 3.5" HDD & 1 x Slim DVD RAID: 0, 1, 5, 10 *Options for mSATA available and M.2	Environmental storage	Temperature: -20 to 70°C Humidity: 5 to 90% at 25°C non-condensing
System Expansion (low profile)	1 x PCIe x16 (Gen 3) 2 x PCIe x4 (Gen 3) 4 x PCI 1 x mPCIe	Electromagnetic Compatibility (EMC)	EN55032 Class A EN55024 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 AC, inc. protective earth Severity ±0.5kV  Surge Immunity test (EN61000-4-5) Power port Severity ±0.5kV applied line to earth  Immunity to conducted disturbances induced by radiofrequency 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.
System Architecture	ATX		
Supported O/S	Microsoft Windows 10 64-bit		
LED's and Switches	Power (PC on) LED Hard Disk Drive access LED ATX system control switch System reset switch		
External Interfaces	Front: 2 x USB 2.0/1.1 On/Off Switch, Reset Pwr/HDD LEDs Rear: 2 x GbE (RJ-45) 2 x USB 3.1 (Gen1) 2 x USB 3.1 (Gen2) 1 RS-232/422/485 (DB-9) 1 x PS/2 (mini-DIN-6) 1 x VGA 1 x DVI-I (DVI-D signal) 1 x DP++ 1 x HDMI 1 x Line-out, 1 x Mic-in		
Optional Breakout Interfaces (Will use 1 slot per breakout)	5 x DB9 (1 x RS232/422/485, 4 x RS232) Optional TPM 2.0 1x Dual USB 3.1 (Gen 1) 5x USB 2.0 8 Channel Programmable Digital VO		