

# Impact 4080



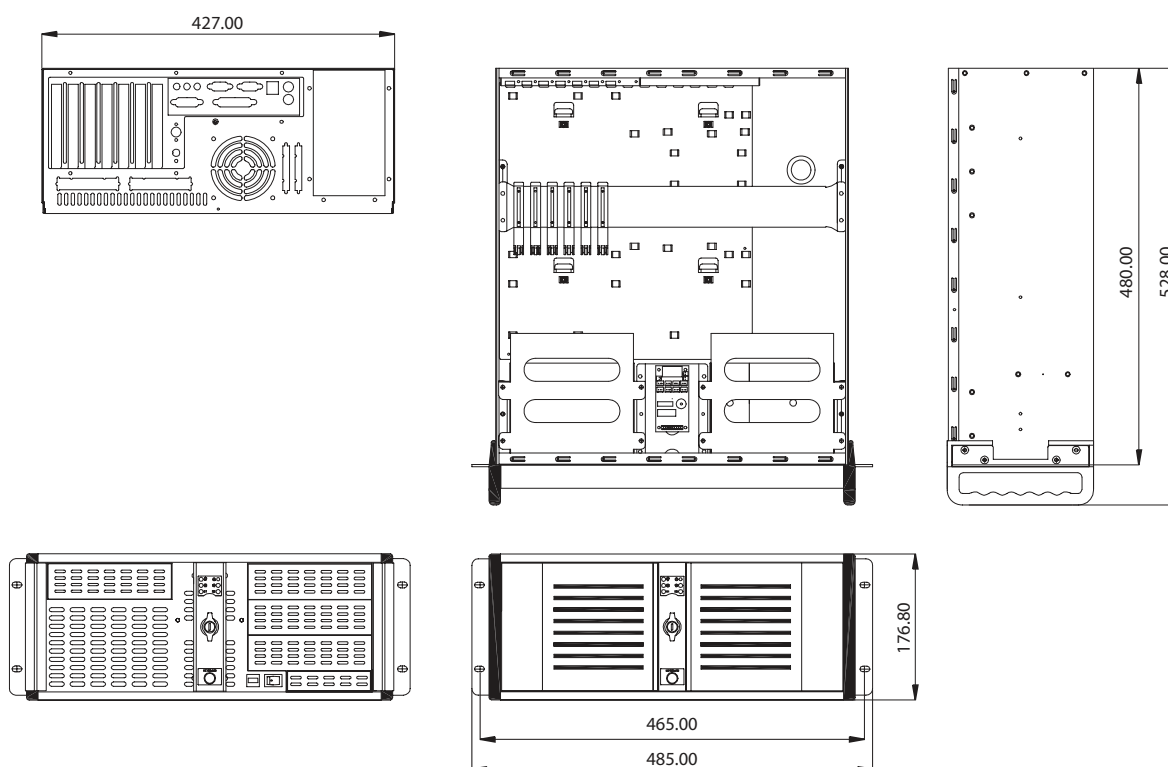
## Features

The Impact 4080 series computers are powered by Intel® based commercial motherboards, delivering a compact and flexible computer platform.

- Intel® Coffee Lake CPU architecture
- DDR4 Memory up to 64GB
- 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



Configuration shown is for illustration purposes only

Sales: +44 (0) 1273 570 220 Admin: +44 (0) 1273 608 331 Fax: +44 (0) 1273 570 215 Website: [www.amplicon.com](http://www.amplicon.com) Email: [sales@amplicon.com](mailto:sales@amplicon.com)

## Impact 4080

## 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 8 <sup>th</sup> Generation Core™ i7/i5/i3 Supports Intel® 14nm Supports Intel® Turbo Boost Technology 2.0* <sup>1</sup> Chipset: Intel® B360 Memory: 4 x DIMM - max 64GB DDR4 2133MHz non-ECC Dual channel architecture Graphics* <sup>2</sup> : Integrated GPU: HDMI - max 4096*2160 @ 24Hz and 2560*1600 @ 60Hz DVI-D - max 1920*1200 @ 60Hz VGA - max 1920*1200 @ 60Hz LAN: RealTek® RTL8111H GbE	Electromagnetic Compatibility (EMC)	EN55022 Class A EN55024 Industrial severity (where applicable)  Electrostatic discharge immunity test (EN61000-4-2) ±4kV Contact, applied to enclosure port ±8kV Air, applied to enclosure port ±4kV Indirect, applied to coupling plane  Radiated, radio-frequency, electromagnetic field immunity test (EN61000-4-3) 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 ±2kV  Surge Immunity test (EN61000-4-5) Power port AC Severity ±2kV applied line to line Severity ±2kV applied line to earth  Immunity to conducted disturbances induced by radio frequency fields (EN61000-4-6)  Power port AC, inc. protective earth via CDN M3 0.15-80MHz, 10 V/m (no modulation) 80% Modulation with 1kHz Sine wave, applied via CDN type M3  Voltage dips, short interrupts and voltages variations immunity tests (EN61000-4-11) Power port AC >95% Reduction, 0.5 Periods >30% Reduction, 25 Periods >95% Reduction, 250 Periods  Limits for harmonic current measurement (EN 61000-3-2), Product Class A  Limitation of voltage changes, voltage fluctuations and flicker (EN 61000-3-3)  Amplicon own a fully equipped EMC facility and can provide many additional tests to meet your requirements.
Storage* <sup>3,4</sup>	Total Drive capacity: 4 x 5.25" external, 1 x 3.5" external, 2 x 3.5" internal 1 x M.2 Socket 3, with M Key, type 2242/2260/2280 storage devices support (SATA mode & X4 PCIE mode) 1 x M.2 Socket 3, with M Key, type 2242/2260/2280 storage devices support (x4 PCIE mode) Intel® Optane™ Memory Ready  We can provide storage and backup solutions for any application	Safety	Safety of information technology equipment (EN 60950) CE Marked
System Expansion	1 x PCIe x16 slot (revision 3.0/2.0) 2 x PCIe x1 slots (revision 3.0/2.0)	Electrical Ratings	Voltage: 90 ~ 264 VAC full range Frequency: 47-63Hz Input current: 8.0 / 4.0A for 115 / 230 VAC Inrush current: 80A max PSU maximum secondary loading: 400W* Active PFC EMI noise filter Over power / voltage / current protection Short circuit protection  *Higher rated and DC power supply options are available. We recommend that you discuss your power requirements before placing your order.
System Architecture	Intel® Based commercial motherboard	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.
Supported O/S	Windows 10 64-bit		
External Interfaces	Front: 2 x USB 2.0/1.1 On/Off Switch, Reset Pwr/HDD LEDs Rear: 2 x PS/2 ports (keyboard and mouse) 1 x DVI-D 1 x HDMI 1 x VGA 1 x USB 3.1 Gen 1 USB Type-C 2 x USB 2.0/1.1 2 x USB 3.1 Gen 2 (Blue Type-A) 1 x LAN (RJ45) Line In, Line Out, MIC In		
Mechanical	Design: EIA RS-310C 19" Rackmount Standard Construction: 1.2mm SECC Zinc-Coated Steel Security: Lockable front doors Color: Black (custom colours available for large orders) Dimensions: 485(W) x 176.8(H) x 480(D)mm (19.1" x 7.0" x 18.9") Packaging Size: 541(W) x 280(H) x 660(D)mm (21.3" x 11.0" x 26.0") Total drive capacity: 4 x 5.25" external, 1 x 3.5" external, 2 x 3.5" internal Cooling: 1 x 120mm ball bearing fan Air filter: removable (washable) Gross Weight: approximately 20 kg		
Environmental operation	Acoustic noise: Approximately 49dB(A) sound pressure at 23°C (typical) Temperature: 5 to 45°C (tested for extended operation up to 50°C) Humidity: 5 to 90% at 25°C non-condensing		
Environmental storage	Temperature: -20 to 65°C Humidity: 5 to 90% at 25°C non-condensing		

\*<sup>1</sup> Depend on CPU type

\*<sup>2</sup> Supports up to 3 independent screens

\*<sup>3</sup> SATA III 6Gb/s

\*<sup>4</sup> 2.5" and caddy options available