

# Impact-R 4080S



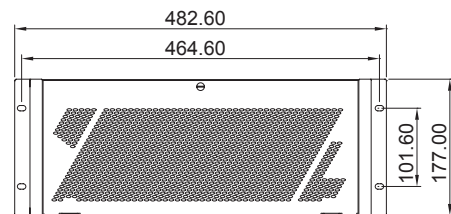
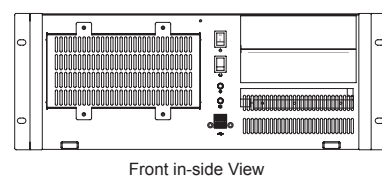
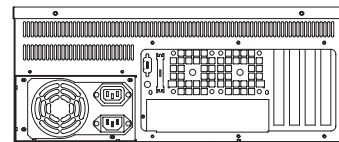
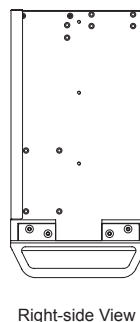
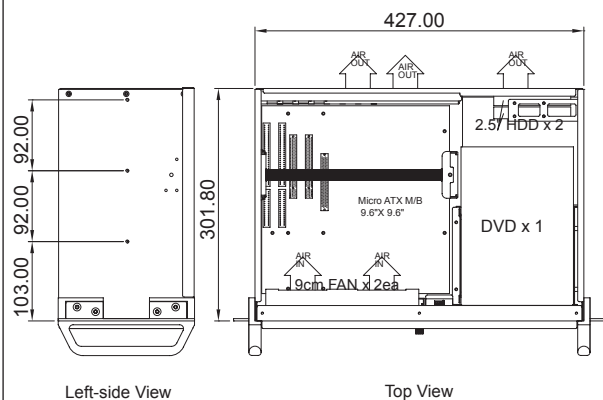
## Features

The Impact-R 4080S 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 simultaneously

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

## Dimensions



# Impact-R 4080S

## 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 Generation Chipset: Intel® Q 370 Memory: 4 x DIMM (max 64GB 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 LAN: Dual Intel® GbE (i219LM/i211AT)	Environmental operation	Vibration: 0.25g sine sweep @ 1 octave per minute from: 10 to 500Hz (longitudinal)* Shock: 10G 1/2 sine 11ms* * Higher levels are achievable by use of an SSD, or ruggedized hard drive. Acoustic noise: 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 Low noise fan options are available (maximum operating temperature 35°C) We can design systems to meet additional requirements
BIOS	Insyde SPI 256Mbit	Environmental storage	Temperature: -20 to 70°C Humidity: 5 to 90% at 25°C non-condensing
Storage	Total Drive capacity: 2 x 2.5" SSD/HDD (RAID 0/1) 1 x mSATA (FL)	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 Expansion	1 x PCIe x16 (Gen 3) 1 x PCIe x4 (Gen 3) 2 x PCI 1 x mPCIe (support mSATA)		
System Architecture	Micro 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) 4 x USB 3.1 (Gen1) 2 x USB 2.0 1 RS-232/422/485 (RS-232 w/power) (DB-9) 1 x PS/2 (mini-DIN-6) 1 x VGA 1 x DVI-I (DVI-D signal) 1 x DP++ 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) 1 x Dual USB 3.1 (Gen 2)		
iAMT	Rev: 12.0		
Mechanical	Design: EIA RS-310C 19" Rackmount Standard Construction: Heavy Duty Cold Rolled Electroplated Steel Color: Black (Standard), Beige or Custom Dimensions: 483(W) x 177(H) x 302(D)mm (19" x 7" x 11.9") Package Size: 605(W) x 340(H) x 545(D)mm (23.8" x 13.4" x 21.4") Cooling Units: 2x92mm(51CFM each) & 2x60mm(23.5CFM each) Gross Weight: 12.1 kg		