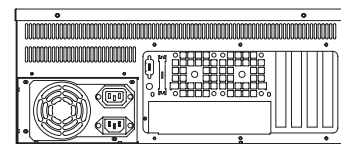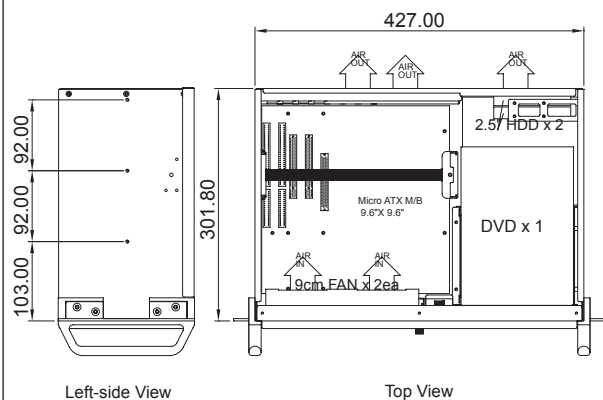# Impact-R 4080S

Features

The Impact-R 4080S series computers are powered by Intel® based motherboards, delivering a compact and flexible computer platform.
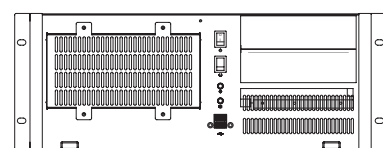
• Intel® Coffee lake CPU architecture

• 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

427.00

AIR OUT
AIR OUT
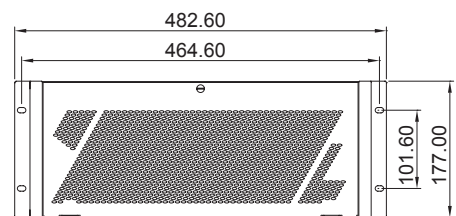AIR OUT

2.5" HDD x 2

92.00 92.00
92.00
103.00

301.80

Micro ATX M/B 9.6"X 9.6"

DVD x 1

AIR IN
AIR IN
9cm FAN x 2ea

Left-side View

Top View

Right-side View

Rear View

Front in-side View

482.60
464.60

101.60
177.00

Front out-side View

Impact-R 4080S

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 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)

BIOS	Insyde SPI 256Mbit
Storage	Total Drive capacity: 2 x 2.5" SSD/HDD (RAID 0/1) 1 x mSATA (FL)
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

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
Environmental storage	Temperature: -20 to 70°C Humidity: 5 to 90% at 25°C non-condensing
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.