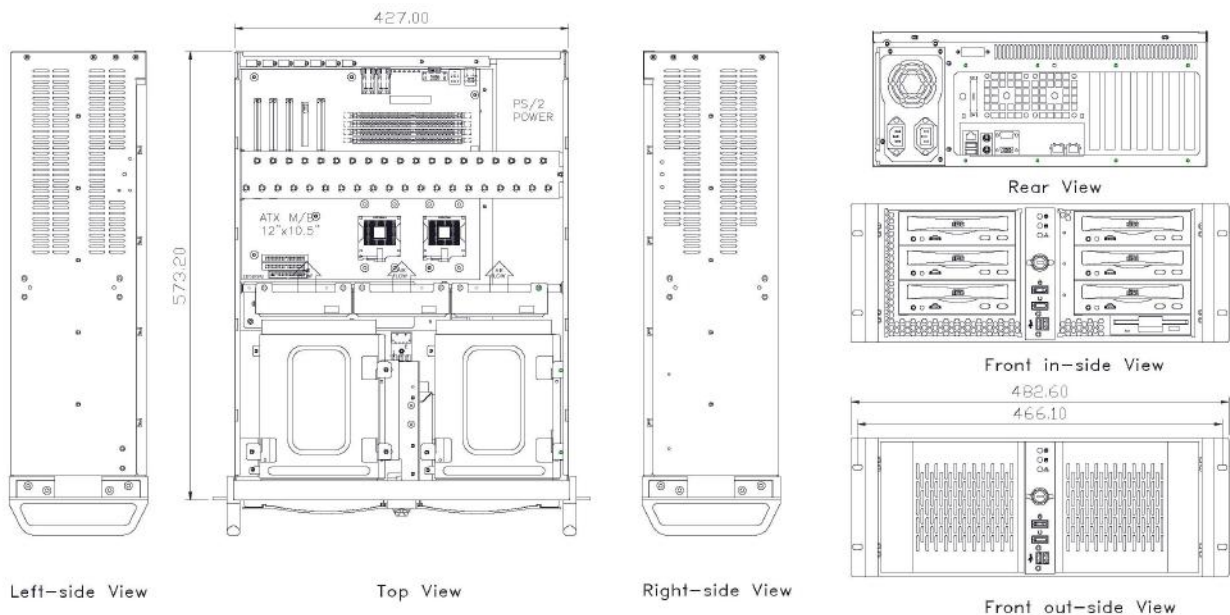# Impact-R 4080

Features

The Impact-R 4080 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

Left-side View   Top View   Right-side View

Rear View

Front in-side View

Front out-side View

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Impact-R 4080

Specifications

Category	Details
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: 6 x 5.25" external, 1 x 3.5" external, 1 x 3.5" internal RAID: 0, 1, 5, 10 *Options for mSATA available and M.2
System Expansion	1 x PCIe x16 (Gen 3) 1 x PCIe x4 (Gen 3) 5 x PCI 1 x mPCIe (support mSATA) 1 x M.2 M key (PCIe x4) (support Optane Memory)
System Architecture	ATX
Supported O/S	Microsoft Windows 10 64-bit
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

Category	Details
LED's and Switches	Power (PC on) LED Hard Disk Drive access LED ATX system control switch System reset switch
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: 1.2mm SECC Zinc-Coated Steel Security: Lockable front door Colour: Black (custom colours available for large orders) Dimensions: 483 x 177 x 573mm (19.0" x 7.0" x 22.6") Packaging Size: 590mm x 331mm x 750mm (23.2" x 13.0" x 29.5") Cooling: 3x 120mm ball bearing fan Air filter: removable (washable) Gross Weight: approximately 22 kg
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
Environmental storage	Temperature: -20 to 70°C Humidity: 5 to 90% at 25°C non-condensing
Certification	CE/UKCA

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