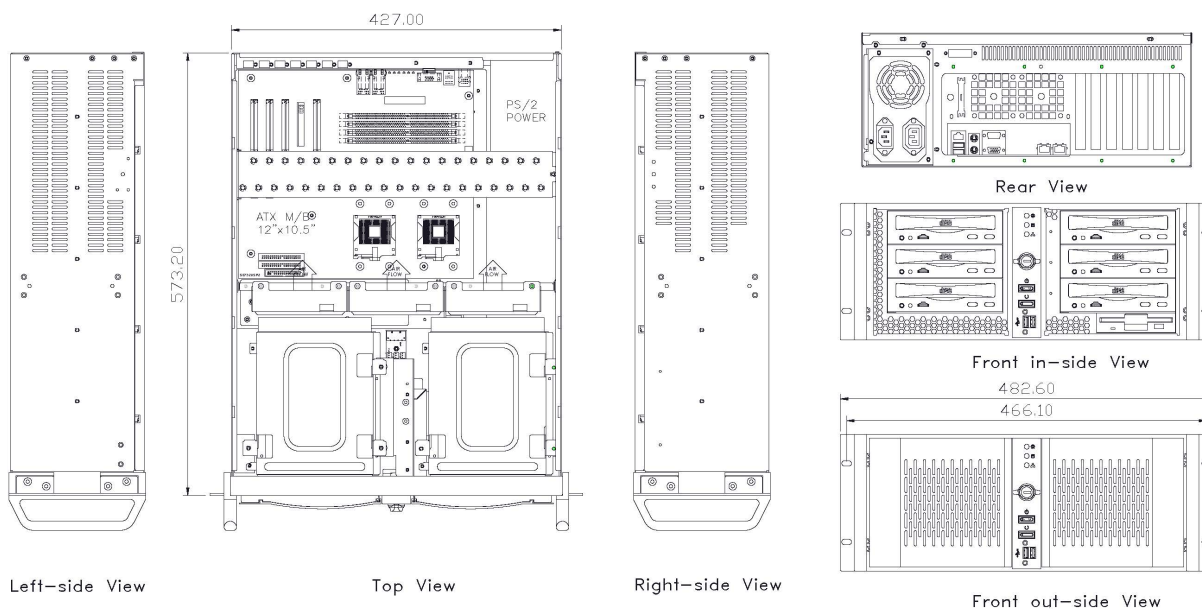# Impact 4100

Features

The Impact 4100 series computers are powered by Intel® based commercial motherboards, delivering a compact and flexible computer platform.

- Intel® Comet Lake CPU architecture
- DDR4 Memory up to 128GB
- 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

Left—side View

Top View

Right—side View

Rear View

Front in—side View

Front out—side View

427.00

573.20

ATX M/B
12"x10.5"

PS/2
POWER

482.60

466.10

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

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Impact 4100

Specifications

Hardware Specification	CPU: Intel® LGA1200 10th Generation Core™ i7/i5/i3
	  Supports Intel® 14nm
	  Supports Intel® Turbo Boost Technology 2.0*[1]
	Chipset: Intel® B460
	Memory: 4 x DIMM - max 128GB DDR4 2933MHz non-ECC
	LAN: RealTek® RTL8111H GbE

BIOS	AMI
Display	DP1.2: resolution up to 4096x2304 @ 60Hz
Storage*[3/4]	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 slot (revision 3.0/2.0) 2 x PCIe x1 slots (revision 3.0/2.0) 1 x M.2 M key Sata/PCIe 1 x M.2 M key PCIe 3.0 x 4 NVME
System Architecture	Intel® Based commerical motherboard
Supported O/S	Windows 10/Linux

External Interfaces	Front:
	  2 x USB 2.0/1.1
	  On/Off Switch, Reset
	  Pwr/HDD LEDs
	Rear:
	  1 x PS/2 keyboard/mouse combo port(s)
	  1 x DVI-D
	  1 x DisplayPort
	  1 x HDMI
	  1 x LAN (RJ45) port(s)
	  4 x USB 3.2 Gen 1 Type-A
	  2 x USB 2.0
	  3 x Audio jack(s)

Environmental operation	Temperature: -20 to 65°C Humidity: 5 to 90% at 25°C non-condensing
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 storage	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
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.
Certifications	CE/UKCA

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