

# Impact-R 2060



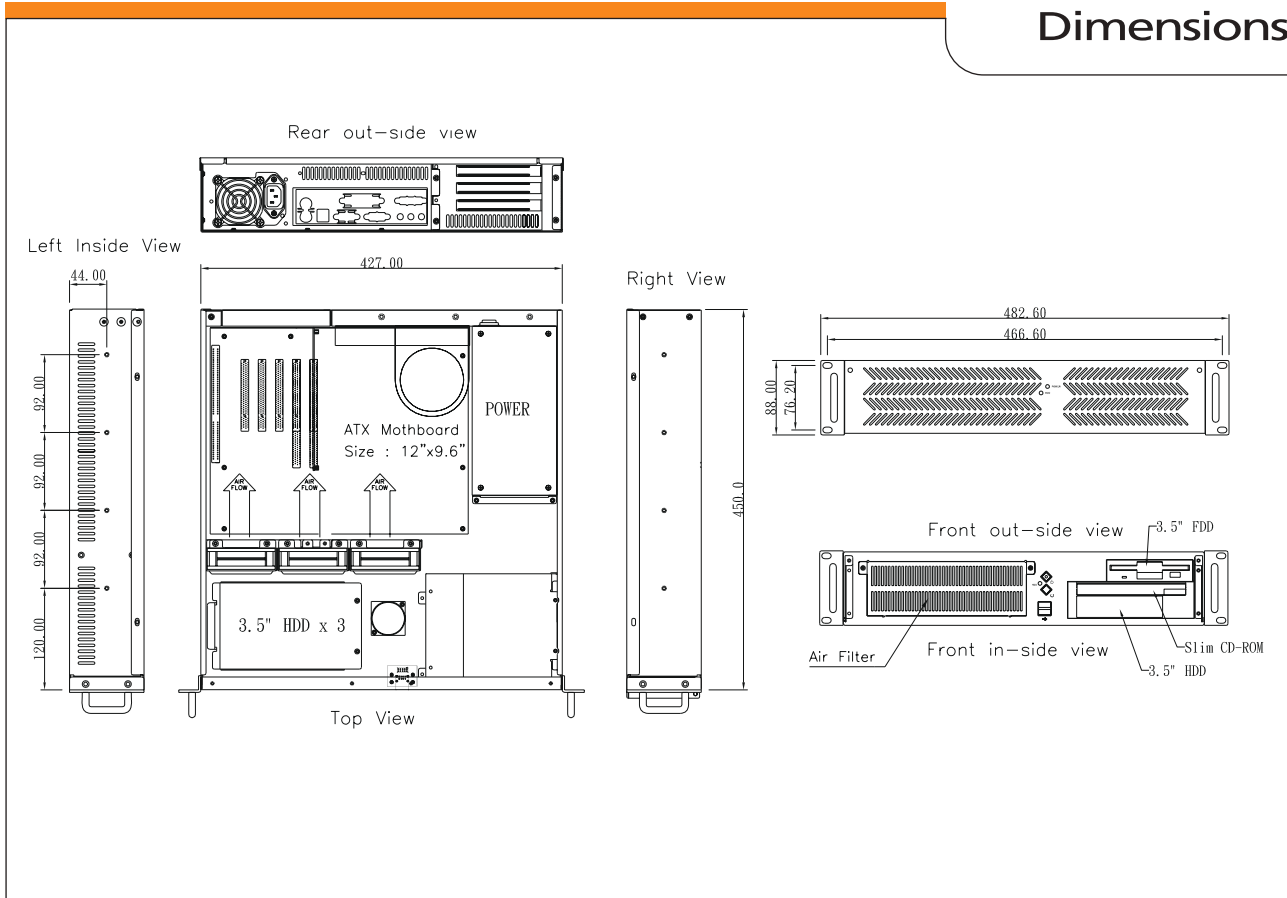
## Features

The Impact-R 2060 series computers are powered by Intel® based motherboards, delivering a compact and flexible computer platform.

- Intel® Skylake 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



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## Impact-R 2060

## 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	<p>CPU: Intel® LGA1151 6<sup>th</sup> generation Core™ i7/i5/i3, Pentium™ and Celeron™ Supports Intel® 14nm</p> <p>Chipset: Intel® Q 170 Chipset</p> <p>Memory: 4 x DIMM - max 64GB DDR4 2133MHz non-ECC Dual channel architecture</p> <p>Graphics*1: Integrated GPU: HDMI - max 4096*2160 @ 24Hz and 2560*1600 @ 60Hz Display Port - max 1920*1200 @ 60Hz VGA - max 1920*1200 @ 60Hz</p> <p>LAN: Dual Intel® GbE (i219LM/i210)</p>	Electromagnetic Compatibility (EMC)	<p>EN55022 Class A EN55024 Industrial severity (where applicable)</p> <p>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</p> <p>Radiated, radio-frequency, electromagnetic field immunity test (EN61000-4-3) 80-1000MHz, 10 V/m (RMS, no modulation) 80% Modulation with 1kHz Sine wave</p>
Storage*2,3	<p>Total Drive capacity: 4 x 3.5" HDD &amp; 1 x Full height DVD, or 5 x 3.5" HDD &amp; 1 x Slim DVD *Options for mSATA available</p>		<p>Electrical fast transient/burst immunity test (EN61000-4-4) Power port AC, inc. protective earth Severity ±2kV</p>
System Expansion*4	<p>1 x PCIe x16 slot (revision 3.0/2.0) 2 x PCIe x4 slot (revision 3.0/2.0) 4 x PCI slots 1 x mPCIe (full/half length) 1 x SIM card slot</p>		<p>Surge Immunity test (EN61000-4-5) Power port AC Severity ±2kV applied line to line Severity ±2kV applied line to earth</p>
System Architecture	Industrial use motherboard		<p>Immunity to conducted disturbances induced by radio frequency fields (EN61000-4-6)</p>
Supported OS	Windows 7, Windows 8.1, Windows 10 (32 & 64 bit)		<p>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</p>
External Interfaces	<p>Front: 2 x USB 2.0/1.1 On/Off Switch, Reset Pwr/HDD LEDs</p> <p>Rear: 1 x PS/2 Keyboard 1 x PS/2 Mouse 4 x USB 3.0 1 x DP, 1 x HDMI, 1 x VGA 2 x Intel GbE RJ45 1 x RS232/422/485 DB9 2 Stack Audio</p>		<p>Voltage dips, short interrupts and voltages variations immunity tests (EN61000-4-11) Power port AC &gt;95% Reduction, 0.5 Periods &gt;30% Reduction, 25 Periods &gt;95% Reduction, 250 Periods</p> <p>Limits for harmonic current measurement (EN 61000-3-2), Product Class A</p> <p>Limitation of voltage changes, voltage fluctuations and flicker (EN 61000-3-3)</p> <p>Amplicon own a fully equipped EMC facility and can provide many additional tests to meet your requirements.</p>
Mechanical	<p>Design: EIA RS-310C 19" Rackmount Standard Construction: Heavy Duty Cold Rolled Electroplated Steel Color: Black (custom colours available for large orders) Dimensions: 483(W) x 88(H) x 450(D)mm (19.0" x 3.5" x 17.7") Packaging Size: 615(W) x 224(H) x 600(D)mm (24.2" x 8.8" x 23.6") Total drive capacity: 1 x Slim 5.25" external, 1 x 3.5" external, 4 x 3.5" internal or 1 x 5.25" external, 1 x 3.5" external, 3 x 3.5" internal Cooling: 3 x 80mm ball bearing fans (42.5 CFM each) Air filter: removable (washable) Gross Weight: approximately 17 kg</p>	Safety	<p>Safety of information technology equipment (EN 60950) CE Marked</p>
Environmental operation	<p>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</p>	Electrical Ratings	<p>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</p> <p>*Higher rated and DC power supply options are available. We recommend that you discuss your power requirements before placing your order.</p>
Environmental storage	<p>Temperature: -20 to 65°C Humidity: 5 to 90% at 25°C non-condensing</p>	Reliability	<p>System MTBF: Critical components failure &gt;45,000 hrs @ 25°C (we can provide information for specific configurations). Full burn-in diagnostic run on every system.</p>

\*1 Supports up to 3 independent screens

\*2 SATA III 6Gb/s

\*3 2.5" and caddy options available

\*4 Low Profile cards only