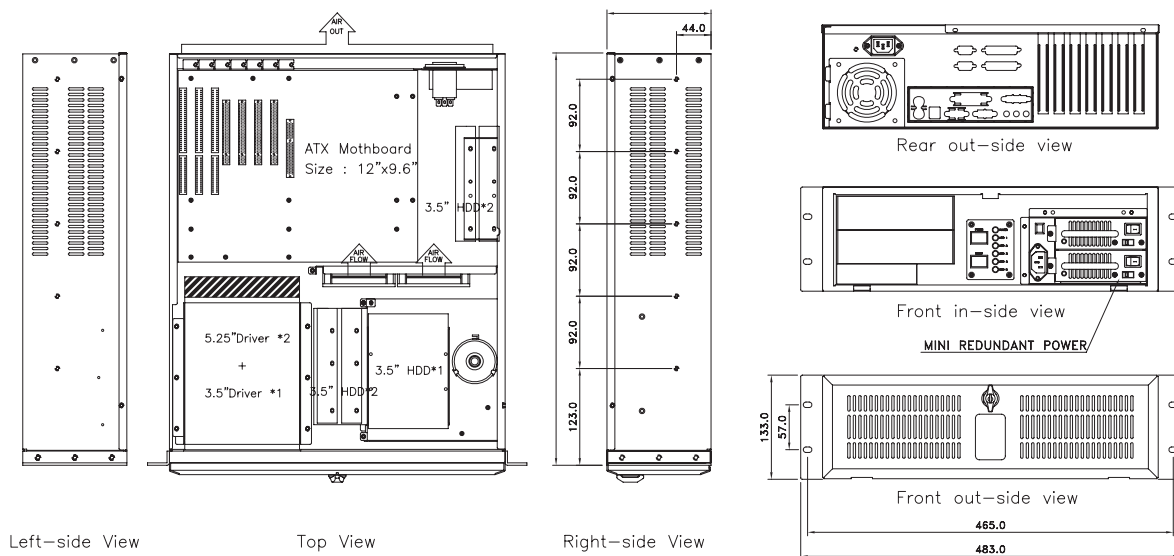**3080**

Impact 3080

Features

The Impact 3080 series computers are powered by Intel® based commercial 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

ATX Mothboard
Size : 12"x9.6"

3.5" HDD*2

AIR OUT

AIR FLOW   AIR FLOW

5.25"Driver *2
+
3.5"Driver *1

3.5" HDD*2

3.5" HDD*1

44.0

92.0

92.0

92.0

92.0

123.0

Left—side View   Top View   Right—side View

Rear out—side view

Front in—side view

MINI REDUNDANT POWER

133.0   57.0

Front out—side view

465.0

483.0

Configuration shown is for illustration purposes only

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Impact 3080

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 Core™ i7/i5/i3
	    Supports Intel® 14nm
	    Supports Intel® Turbo Boost Technology 2.0*[1]
	Chipset: Intel® B360
	Memory: 4 x DIMM - max 64GB DDR4 2133MHz non-ECC Dual channel architecture
	Graphics*[2]: Integrated GPU:
	    HDMI - max 4096*2160 @ 24Hz and 2560*1600 @ 60Hz
	    DVI-D - max 1920*1200 @ 60Hz
	    VGA - max 1920*1200 @ 60Hz
	LAN: RealTek® RTL8111H GbE

Storage*[3][4]	Total Drive capacity: 2 x 5.25", 1 x 3.5" external, 4 x 3.5" internal 1 x M.2 Socket 3, with M Key, type 2242/2260/2280 storage devices support (SATA mode & X4 PCIE mode) 1 x M.2 Socket 3, with M Key, type 2242/2260/2280 storage devices support (x4 PCIE mode) Intel® Optane™ Memory Ready We can provide storage and backup solutions for any application
System Expansion	1 x PCIe x16 slot (revision 3.0/2.0) 2 x PCIe x1 slots (revision 3.0/2.0)
System Architecture	Intel® Based commerical motherboard
Supported O/S	Windows 10 64-bit

External Interfaces	Front:
	    2 x USB 2.0/1.1
	    On/Off Switch, Reset
	    Pwr/HDD LEDs
	Rear:
	    2 x PS/2 ports (keyboard and mouse)
	    1 x DVI-D
	    1 x HDMI
	    1 x VGA
	    1 x USB 3.1 Gen 1 USB Type-C
	    2 x USB 2.0/1.1
	    2 x USB 3.1 GEN 2 (Blue Type-A)
	    1 x LAN (RJ45)
	    Line In, Line Out, MIC In

Mechanical	Design: EIA RS-310C 19" Rackmount Standard Construction: 1.2mm SECC Zinc-Coated Steel Security: Lockable front door Color: Black (custom colours available for large orders) Dimensions: 483(W) x 133(H) x 526(D)mm (19.0" x 5.2" x 20.7") Packaging Size: 588(W) x 285(H) x 703(D)mm (23.1" x 11.2" x 27.7") Total drive capacity: 2 x 5.25", 1 x 3.5" external, 4 x 3.5" internal Cooling: 1 x 80mm, 2 x 92mm ball bearing fan Air filter: removeable (washable) Gross Weight: approximately 18 kg
Environmental operation	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
Environmental storage	Temperature: -20 to 65°C Humidity: 5 to 90% at 25°C non-condensing

Electromagnetic Compatibility (EMC)	EN55022 Class A EN55024 Industrial severity (where applicable) 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 Radiated, radio-frequency, electromagnetic field immunity test (EN61000-4-3) 80-1000MHz, 10 V/m (RMS, no modulation) 80% Modulaton with 1kHz Sine wave Electrical fast transient/burst immunity test (EN61000-4-4) Power port AC, inc. protective earth Severity ±2kV Surge Immunity test (EN61000-4-5) Power port AC Severity ±2kV applied line to line Severity ±2kV applied line to earth Immunity to conducted disturbances induced by radio frequency fields (EN61000-4-6) Power port AC, inc. protective earth via CDN M3 0.15-80MHz, 10 V/m (no modulation) 80% Modulation wi th 1kHz Sine wave, applied via CDN type M3 Voltage dips, short interrupts and voltages variati ons immunity tests (EN61000-4-11) Power port AC >95% Reduction, 0.5 Periods >30% Reduction, 25 Periods >95% Reduction, 250 Periods Limits for harmonic current measurement (EN 61000-3 -2), Product Class A Limitation of voltage changes, voltage fluctuations and flicker (EN 61000-3-3) Amplicon own a fully equipped EMC facility and can pr ovide many additional tests to meet your requirements.
Safety	Safety of information technology equipment (EN 60950) CE Marked
Electrical Ratings	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 *Higher rated and DC power supply options are available. We recommend that you discuss your power requirements before placing your order.
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.

*[1] Depend on CPU type
*[2] Supports up to 3 independant screens
*[3] SATA III 6Gb/s
*[4] 2.5" and caddy options available

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