

# Impact 2010 series



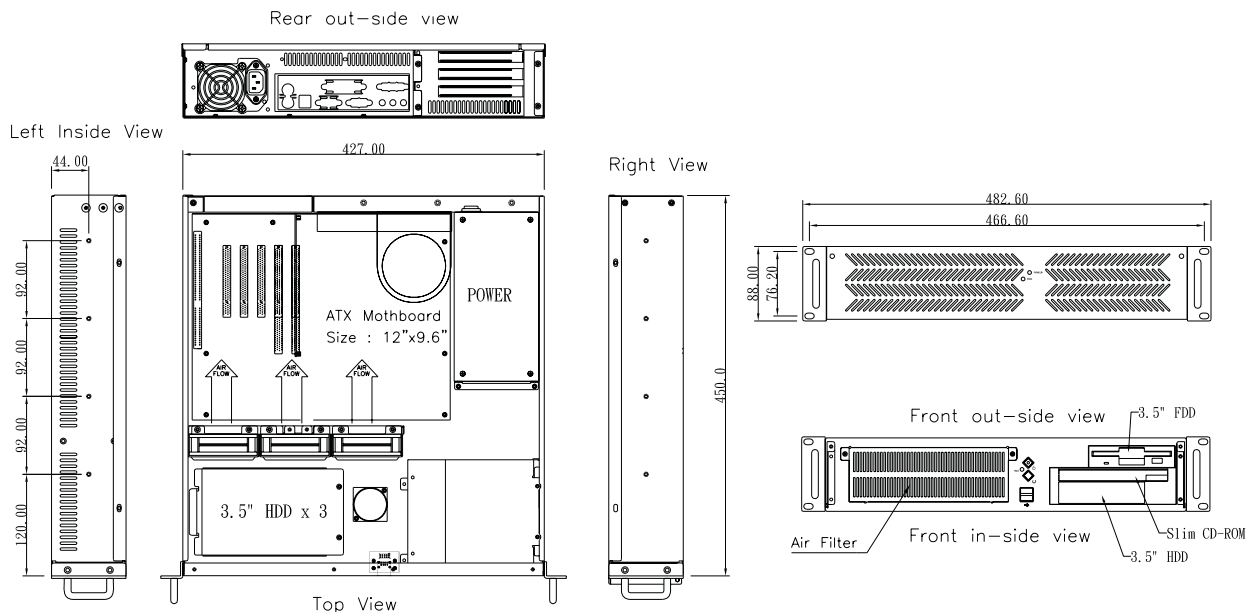
## Features

The **Impact 2010 series** computers are powered by Intel based commercial motherboards and deliver compact and flexible industrial computer platforms constructed from quality industrial components in 2U industrial grade chassis.

Our production processes are controlled under ISO 9001:2000 and every system undergoes a full diagnostic burn-in prior to shipment.

Systems can be tailored to meet your exact requirements. Each system comes with a 3 year warranty.

## Dimensions



# Impact 2010 series

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 Pentium G850 2.9GHz, 3MB Cache (Impact 2030) or Intel Core i3-2120, 3.3GHz, 3MB Cache (Impact 2031) Chipset: Intel H61 Main Memory: 2GB DDR3 1333MHz (max 16GB) Audio: VIA VT1708S 8-Channel High Definition Audio CODEC LAN: Realtek® 8111F-VB-CG, 1 x Gigabit LAN Controller SATA: 4 x SATA 3Gb/s connectors	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% Modulation 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 with 1kHz Sine wave, applied via CDN type M3  Voltage dips, short interrupts and voltages variations 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 provide many additional tests to meet your requirements.
Storage	500GB SATA HDD 7200rpm DVD RW (standard height)  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 (standard) We can provide storage and backup solutions for any application		
System expansion	1 x PCIe 2.0 x16 2 x PCIe 2.0 x1 Low profile only		
System architecture	Intel based commercial motherboard		
Supported OS	Windows XP, Windows Vista, Windows 7, Linux		
Internal interfaces	2 x USB 2.0 connector(s) support(s) additional 4 USB 2.0 port(s) 4 x SATA 3Gb/s connector(s) 1 x CPU Fan connector(s) 1 x Chassis Fan connector(s) 1 x 24-pin EATX Power connector(s) 1 x 4-pin ATX 12V Power connector(s) 1 x Front panel connector(s) 1 x Front panel audio connector(s) (AAFP) 1 x Internal speaker connector(s)		
LEDs and switches	Power (PC ON) LED Hard disk access LED System monitor x 3 Front: ATX system control switch, system reset Rear: System ON/OFF power switch	Safety	Safety of information technology equipment (EN 60950) CE Marked
External interfaces	1 x PS/2 keyboard/mouse combo port(s) 1 x DVI 1 x D-Sub 1 x LAN (RJ45) port(s) 6 x USB 2.0 3 x Audio jack(s)	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 power supplies are available and we recommend that you discuss your power requirements before placing your order
Mechanical	Design: EIA RS-310C 19" Rackmount Standard Construction: Heavy duty cold rolled electroplated steel Colour: 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 17kg	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
Environmental operational	Acoustic noise: Approximately 48dBA 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		

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