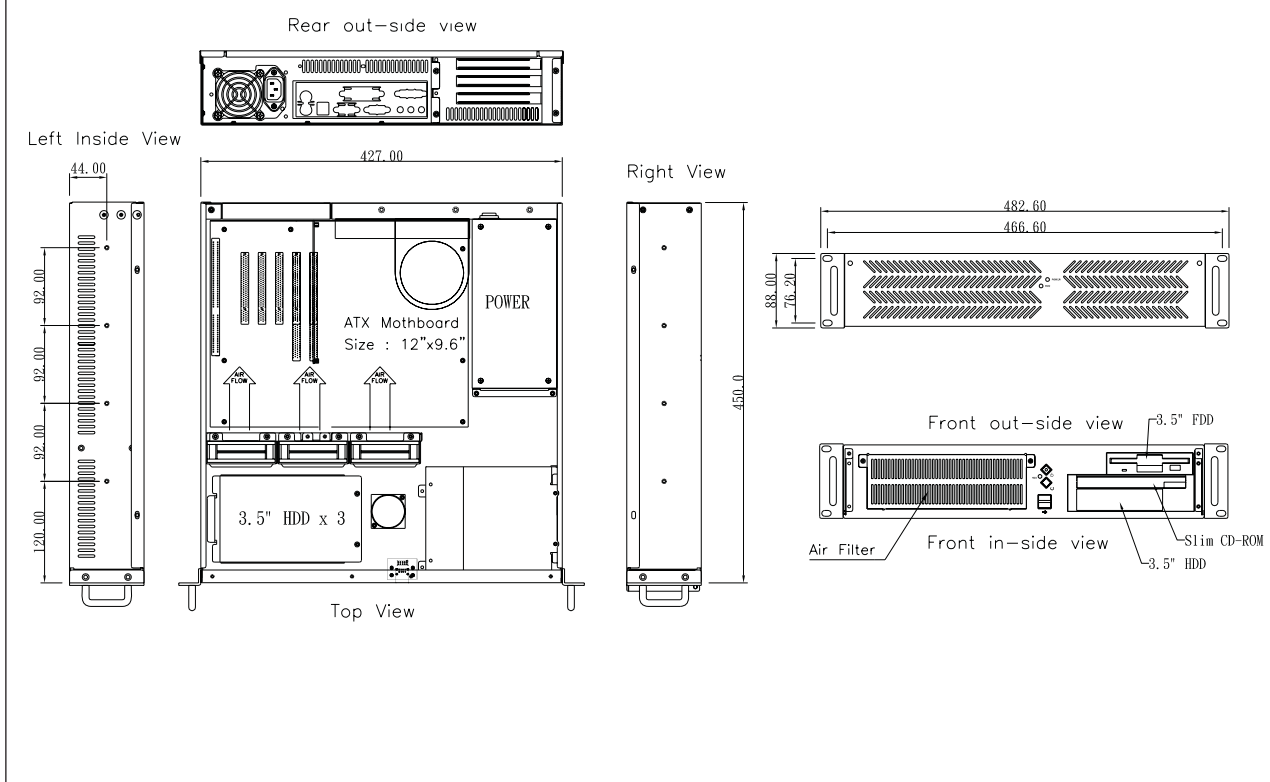# Impact-R 2030/31

Features

- Intel® i5/i7 Processor with HyperThreading and Turboboost
- Supports Intel AMT 7.0, RAID 0, 1, 5, 10
- 3 year warranty, first year onsite (UK only)
- Custom colours and OEM branding service available
- Constructed from roadmapped industrial components
- Designed for mission critical 24/7 applications
- Assembled and tested within a lean manufacturing environment under ISO 9001

Dimensions

Rear out-side view

Left Inside View

44.00

92.00

92.00

92.00

120.00

427.00

POWER

ATX Mothboard
Size : 12"x9.6"

AIR FLOW   AIR FLOW   AIR FLOW

3.5" HDD x 3

Top View

Right View

450.0

482.60

466.60

88.00
76.20

Front out-side view

3.5" FDD

Air Filter   Front in-side view

Slim CD-ROM

3.5" HDD

Impact-R 2030/31

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	Processors incorporated into each model: Impact-R 2030 – Intel® Core™ i5-2400 3.1 GHz, 6M Cache Impact-R 2031 – Intel® Core™ i7-2600 3.4 GHz, 8M Cache Chipset: Intel® Q67 Express Chipset Main memory: 2GB DDR3 1066/1333MHz dual channel (max 32GB*) Video: Integrated Intel® HD Graphics Display Resolution: Resolutions up to 2048 x 1536 @ 75 Hz LAN: 2 ports at 10/100/1000Mbps, support for WoL, PXE Boot ROM, iAMT 7.0 with Intel® 82579LM, 2nd port Intel® 82574L Watchdog Timer: 1-255 sec or 1-255 min TPM: Infineon SLB 9635 TT 1.2 *Usable memory capacity may be limited by the operating system
BIOS	AMI
Storage	500GB SATA HDD 7200rpm DVDRW (standard height) Total drive capacity: 1 x 5.25'' external, 1 x 3.5'' external, 3 x 3.5'' internal or 1 x Slim 5.25'' external, 1 x 3.5'' external, 4 x 3.5'' internal We can provide storage and backup solutions for any application
System expansion	1 x PCI 32 Bit PCI slot 250mm length 1 x PCI 32 Bit PCI, 180mm length (to accept half height PCI card with full height bracket.) 1 x PCI Express x16 graphics slot Note: - PCI slots are not suitable for high bandwidth cards
System architecture	Industrial ATX form factor motherboard
Supported OS (Operating System)	Windows XP, Windows Vista, Windows 7 and Linux. If your desired operating system is not listed or you wish to check support for a specific version of Linux, please contact us.
Internal interfaces	8 connectors for additional external USB 2.0 ports 5 connectors for external COM ports 1 front audio connector 1 CD-in internal audio connector 1 S/PDIF connector 6 Serial ATA ports 1 front panel connector 2 fan connectors
LEDs and switches	Power (PC ON) LED Hard disk access LED Front: ATX system control switch, system reset
External interfaces	1 mini-DIN-6 PS/2 mouse port 1 mini-DIN-6 PS/2 keyboard port 1 VGA port 1 DVI-I port (DVI-D signal only) 2 HDMI 2 RJ45 LAN ports 4 USB ports Mic-in, line-in and line-out jacks
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" x 3.5" x 17.7") Packaging size: 630(W) x 248(H) x 574(D) mm (24.8" x 9.8" x 22.6") Cooling: 3 x 80mm fan, 42.5 CFM each Air filter: removable (washable) Gross weight: approximately 20kg
Environmental operational	Acoustic noise: 47dBA sound pressure at 23°C (typical) Temperature: 0 to 40°C (tested for extended operation up to 50°C) Humidity: 5 to 90% at 25°C non-condensing Please contact us to discuss extended or harsher environmental specifications Low noise fan options are available (maximum operating temperature 35°C) We can design systems to meet additional requirements

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% 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 Voltage dips, short interrupts and voltages variations immunity tests (EN61000-6-2) Power port ac >30% Reduction, 0.5 Periods >60% Reduction, 25 Periods >100% Reduction, 250 Periods Limits for harmonic current measurement (EN 61000-3-2), Product Class D Limitation of voltage changes, voltage fluctuations and flicker (EN 61000-3-3) Amplicon own a fully equipped EMC facility and can provide many additional test 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: 65A / 125A max Typical operational current: : 0.5 ~1A (base system) PSU maximum secondary loading: 460W* Active PFC EMI noise filter Over power / voltage / current protection Short circuit protection Higher rated and DC power supplies options are available. We recommend that you discuss your power requirements before placing your order
Reliability	System MTBF: >25,000 hrs @ 25°C Diagnostic burn-in run on every system

Model	PCIe slots	PCI slots	Processor
Impact-R 2030	1	2	Intel Core i5-2400
Impact-R 2031	1	2	Intel Core i7-2600