

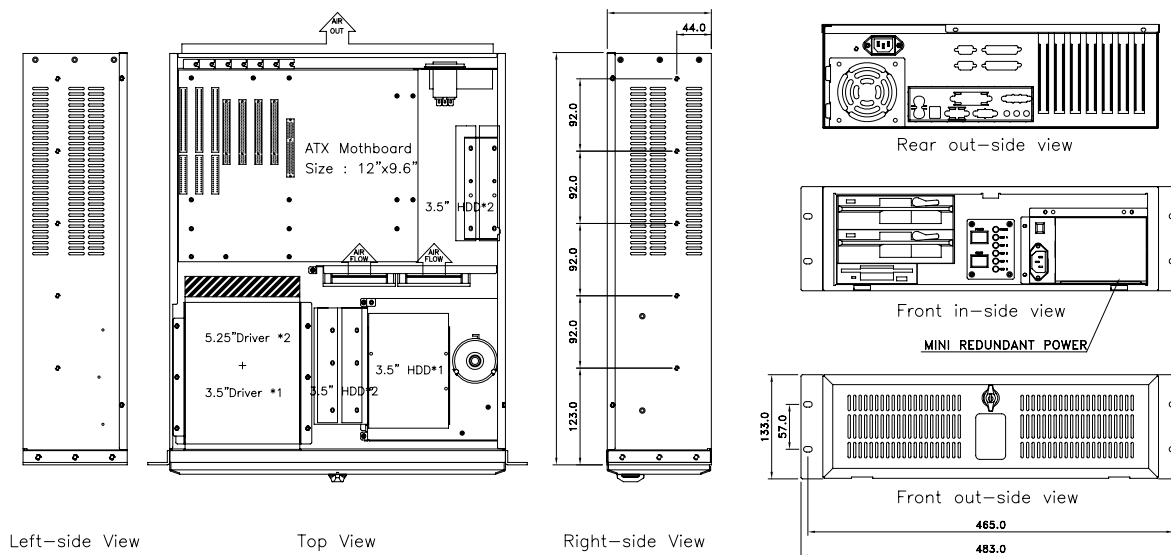
# Impact-R 3030/31



## Features

- Intel® i5/i7 Processor with Hyper-threading 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



Configuration shown is for illustration purposes only

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## Impact-R 3030/31

## 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 in to each model: Impact-R 3030 – Intel® Core™ i5-2400 3.1 GHz, 6M Cache Impact-R 3031 – 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	Environmental storage	Temperature: -20 to 65°C Humidity: 5 to 90% at 25°C non-condensing
BIOS	AMI	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 DVDRW Total drive capacity: 2 x 5.25" external, 1 x 3.5" external, 4 x 3.5" internal  We can provide storage and backup solutions for any application	Safety	Safety of information technology equipment (EN 60950) CE Marked
System expansion	5 x PCI 32bit PCI slots 1 x PCIe x4 1 x PCIe x16	Electrical Ratings	Voltage: 90 – 264 VAC full range Frequency: 47–63Hz Input current: 10.0 / 5.0A for 115 / 230 VAC Inrush current: 80A max PSU maximum secondary loading: 460W (150W typical)* 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
System architecture	Industrial ATX form factor motherboard	Reliability	System MTBF: Critical components failure >20,000 hrs @ 30°C (we can provide information for specific configurations) Full burn-in diagnostic run on every system
Supported OS (Operating System)	Windows XP, Windows 7 32/64 Bit, Windows Server 2008 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: 1.2mm SECC Zinc-Coated Steel 1 x Parallel port (ECP/EPP/SPP) Colour: Black (custom colours available for large orders) Dimensions: 483 (W) x 133 (H) x 526 (D) mm (19" 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: removable (washable) Gross weight: approximately 18kg		
Environmental operational	Acoustic noise: Approximately 52dBA sound pressure at 23°C (typical) 53 dBA (peak) Temperature: 0 to 45°C (tested for extended operation up to 50°C) Humidity: 5 to 90% at 25°C non-condensing  * Thermally controlled system fans run at peak operating speed during system start up. Speed is reduced based system temperature.		

Model	PCIe slots	PCI slots	Processor
Impact-R 3030	2	5	Intel Core i5-2400
Impact-R 3031	2	5	Intel Core i7-2600

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