

Impact-R 4015



Features

The **Impact-R 4015** is powered by an industrial motherboard featuring the Intel Q965 + ICH8R chipset. Powered by an Intel Core 2 Duo Processor, this system provides both PCI and PCI Express expansion.

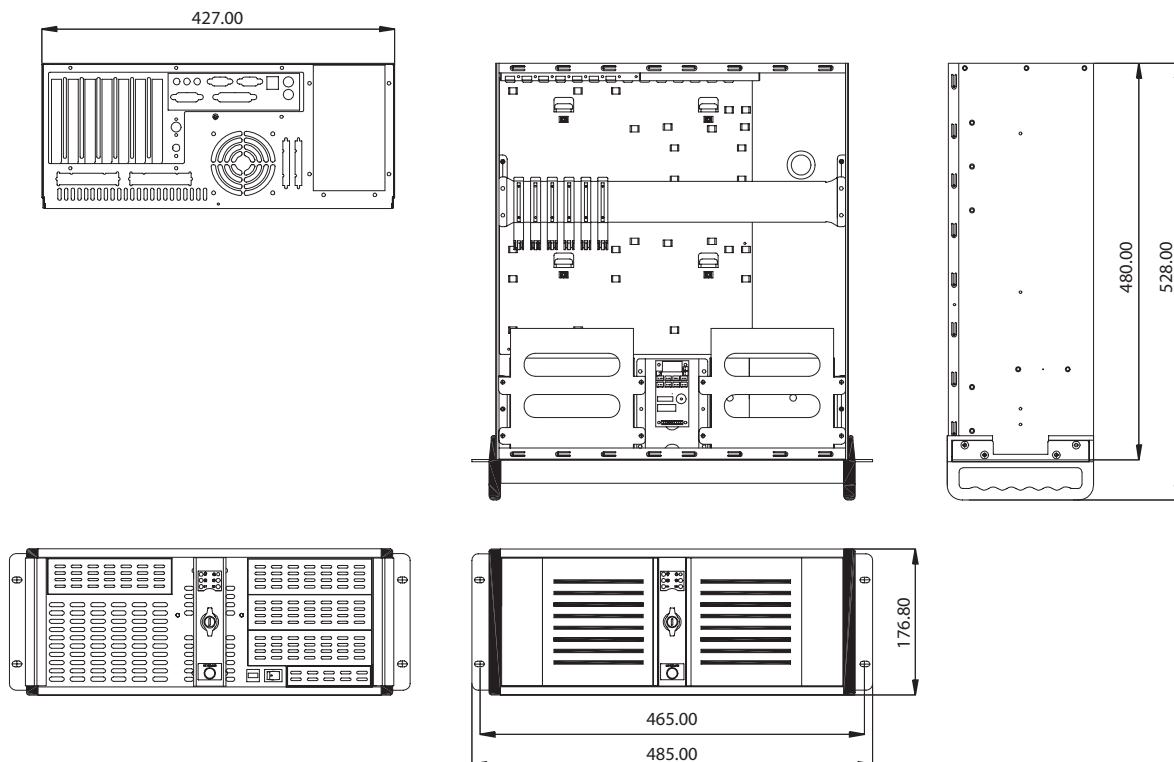
The Impact-R series utilise industrial motherboards which provide revision control together with a 5-year product life.

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, with first year onsite as standard.

Dimensions



Configuration shown is for illustration purposes only

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Specifications

The information is believed to be accurate. However Amplicon Limited accepts no responsibility for any problems caused by errors and omissions. Specifications are subject to change without notice.

Hardware specification	<p>CPU: Intel Core 2 Duo Processor 2.13GHz 1066MHz FSB 4MB cache Chipset: Intel Q965 + ICH8R Main memory: 1GB DDR2 dual channel Upgradeable to: 4GB Video: Built-in Intel Graphics Media Accelerator 3000 LAN: Dual Marvell® 88E8053 PCI Express™ Gigabit Ethernet controllers Audio: Realtek® ALC883 7.1 + 2CH audio codec SATA: 4 x interfaces (SATA 2.0 specification, SATA speed up to 3Gb/s) Onboard RAID: ICH8R supports RAID 0, 1, 5, 10 function 1 SATA to PATA bridge supports; 1 x UltraDMA 133 / 100 / 66 / 33 IDE Watchdog Timer: Reset: 1 sec.-255 min. and 1 sec. or 1 min./step I/O Chip: ITE IT8712F I/O Controller Resolution: Analog display : up to 2048 x 1536 @ 75Hz (QXGA)</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> <p>Electrical fast transient/burst immunity test (EN61000-4-4) Power port ac, inc. protective earth Severity ±2kV</p> <p>Surge Immunity test (EN61000-4-5) Power port ac Severity ±2kV applied line to line Severity ±2kV applied line to earth</p> <p>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</p> <p>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</p> <p>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)</p> <p>Amplicon own a fully equipped EMC facility and can provide many additional tests to meet your requirements.</p>
BIOS	<p>AMI BIOS 8Mbit flash memory</p>	Safety	<p>Safety of information technology equipment (EN 60950) CE Marked</p>
Storage	<p>250GB RAID Edition SATA Hard Drive DVDROM + CDRW combo Total drive capacity: 4 x 5.25" external, 1 x 3.5" external, 2 x 3.5" internal</p> <p>We can provide storage and backup solutions for any application</p>	Electrical Ratings	<p>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* Active PFC EMI noise filter Over power / voltage / current protection Short circuit protection</p> <p>*Higher rated power supplies are available and we recommend that you discuss your power requirements before placing your order</p>
System expansion	<p>4 x 5V PCI 32 Bit full length slots 1 x PCI Express x 1 full length slot 1 x PCI Express x 16 full length slot</p>	Reliability	<p>System MTBF: >15,000 hrs (we can provide information for specific configurations) Four hour burn-in diagnostic run on every system</p>
System architecture	Industrial ATX form factor motherboard		
Supported OS (Operating System)	<p>Windows XP, Windows 2000 (available via Windows XP Pro downgrade rights)</p> <p>If your desired operating system is not listed, please contact us</p>		
Internal interfaces	<p>2 x Connectors for 4 additional external USB 2.0/1.1 ports 3 x Connectors for external COM 2 ports (2 x RS232, 1 x RS232 / 422 / 485) 1 x Digital I/O connector 4 x Serial ATA connectors 1 x 40-pin IDE connector 1 x Floppy connector 1 x 24-pin ATX power connector 1 x 4-pin 12V power connector 1 x DVI Chromtel CH7307 DVI transmitter 1 x Front panel connector 3 x 4-wire fan connectors</p>		
LEDs and switches	<p>Power (PC ON) LED Hard disk access LED 3 x System monitor Front: ATX system control switch, system reset Rear: System ON/OFF power switch</p>		
External interfaces	<p>1 x Mini-DIN-6 PS/2 mouse port 1 x Mini-DIN-6 PS/2 keyboard port 1 x DB-9 serial port 1 x DB-15 VGA port 2 x RJ45 LAN ports 6 x USB 2.0/1.1 ports (4 x rear, 2 x front) 1 x Mic in, Line in, CD Audio in, Line out, Rear out and Center/Subwoofer out</p>		
Mechanical	<p>Design: EIA RS-310C 19" Rackmount Standard Construction: 1.2mm SECC Zinc-Coated Steel Security : Lockable front doors Colour: Black (custom colours available for large orders) Dimensions: 485 (W) x 176.8 (H) x 480 (D) mm (19.1" x 7.0" x 18.9") Packaging size: 541 (W) x 280 (H) x 660 (D) mm (21.3" x 11.0" x 26.0") Total drive capacity: 4 x 5.25" external, 1 x 3.5" external, 2 x 3.5" internal Cooling : 1 x 120mm ball bearing fan Air filter: removable (washable) Gross weight: approximately 20kg</p>		
Environmental operational	<p>Acoustic noise: Approximately 49dBA 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>		
Environmental storage	<p>Temperature: -20 to 65°C Humidity: 5 to 90% at 25°C non-condensing</p>		

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