

Impact-R 4010



Features

The **Impact-R 4010** is powered by an industrial motherboard featuring the Intel 865G + ICH5 chipset. This model delivers a robust computer platform constructed from quality industrial components.

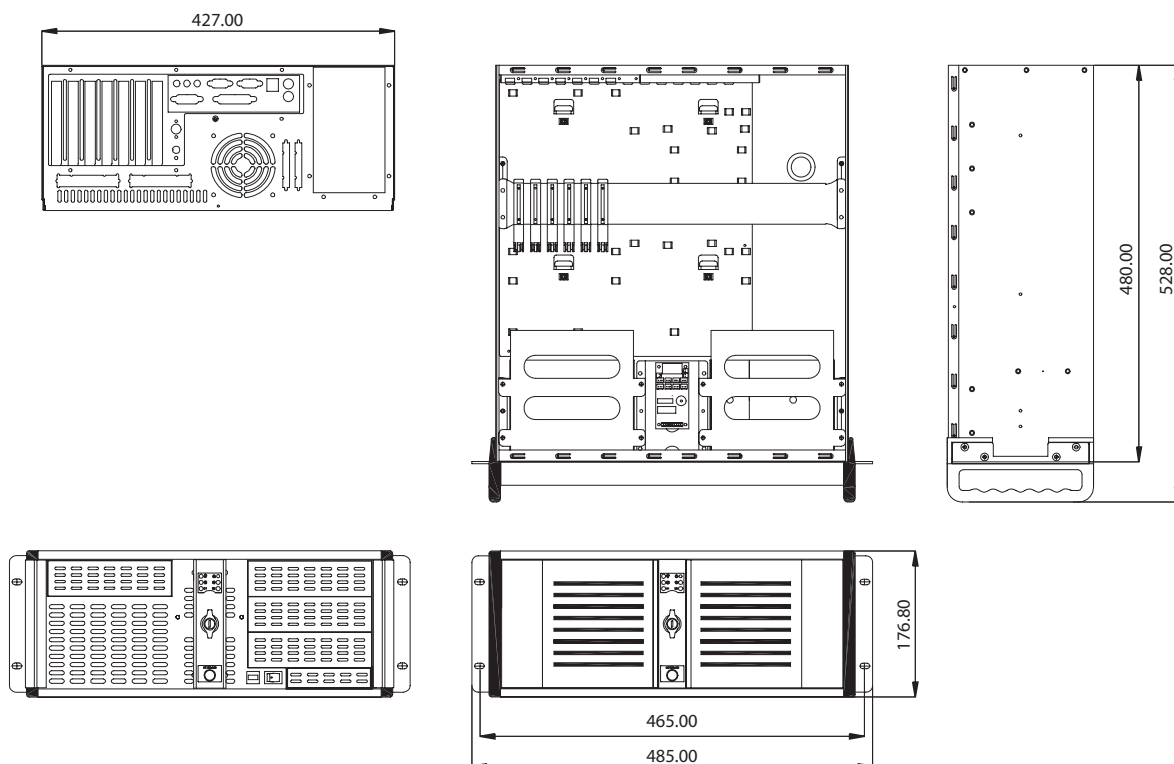
The Impact-R series utilise industrial motherboards which provide revision control together with a 5-year product life.

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 Pentium 4 Processor 3.0GHz 800MHz FSB 1MB cache Chipset: Intel 865G + ICH5 Main memory: 1GB DDR400 dual channel Upgradeable to: 2GB Video: Built-in Intel Graphics Media Accelerator Analogue display up to 2048 x 1536 @ 60Hz refresh Maximum 3D resolution: 1600 x 1200 x 32 @ 85Hz refresh LAN: Realtek RTL8101L Audio: Realtek AC'97 SATA: 2 x interfaces (SATA 1.0 specification) SATA speed up to 1.5Gb/s PCI IDE Interface: Supports ATA / 33, ATA / 66 and ATA / 100 hard drives PIO Mode 4 Enhanced IDE (data transfer rate up to 14MB / sec.)</p>	<p>Electromagnetic compatibility (EMC)</p> <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>Award BIOS 4Mbit flash memory</p>	
Storage	<p>Western Digital 80GB Parallel ATA Hard Drive DVDROM + CDRW combo drive 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>	
System expansion	<p>6 x 32 Bit PCI slots (PCI 2.2 compliant) 1 x AGP 8x / 4x slot (AGP 3.0 compliant)</p>	
System architecture	<p>Industrial ATX form factor motherboard</p>	
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>Connectors for 4 additional external USB 2.0/1.1 ports x 2 Connector for 1 external serial port x 1 Connector for 1 external game / MIDI port x 1 Front audio connector for external line-out and mic-in jacks x 1 CD-in internal audio connector x 1 Surround sound connector x 1 S/PDIF-out connector x 1 Connector for IrDA interface x 1 Serial ATA connectors x 2 IDE connectors x 2 Floppy connector x 1 20-pin ATX power connector x 1 4-pin 12V ATX power connector x 1 Wake-On-LAN connector x 1 Fan connectors x 3</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>Mini-DIN-6 PS/2 mouse port x 1 Mini-DIN-6 PS/2 keyboard port x 1 DB-25 parallel port x 1 DB-9 serial port x 1 DB-15 VGA port x 1 USB 2.0 / 1.1 ports x 6 (4 rear, 2 front) RJ45 LAN port x 1 Audio jacks: mic-in, line-in and line-out x3</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: 0 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>	
Safety	<p>Safety of information technology equipment (EN 60950) CE Marked</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>	
Reliability	<p>System MTBF: >15,000 hrs (we can provide information for specific configurations) Four hour burn-in diagnostic run on every system</p>	

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