

Impact 4014



Features

The **Impact 4010 series** computers are powered by Intel Desktop motherboards and deliver industrial computer platforms with 7 expansion slots, constructed from quality industrial components in 4U industrial grade chassis.

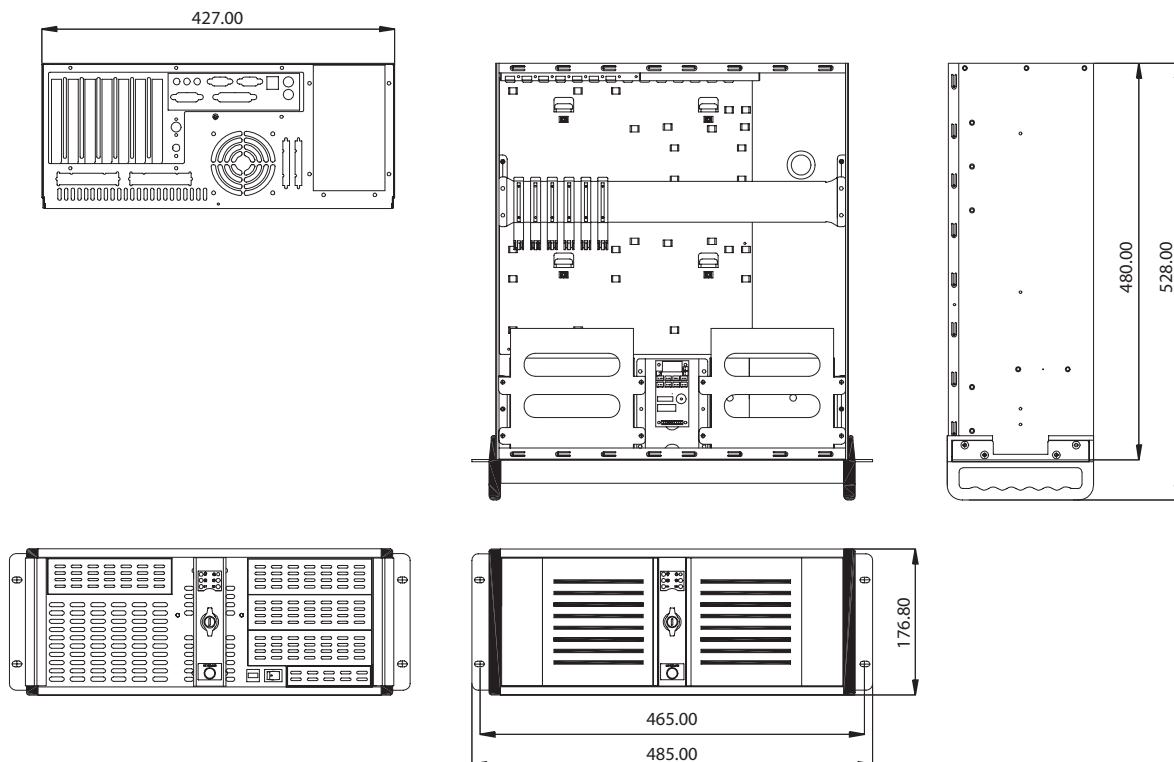
The **Impact 4014** features the Intel Q965 + ICH8R/DO chipset with 6 SATA channels and onboard RAID. This model, powered by an Intel Pentium 4 processor with support for up to Intel Core 2 Quad 1066MHz processors, is Windows Vista ready.

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



Configuration shown is for illustration purposes only

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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	<p>CPU: Intel Pentium 4 651 3.4GHz LGA775 800MHz system bus 2MB cache*</p> <p>Chipset: Intel Q965 + ICH8R/DO</p> <p>Main memory: 1GB DDR2 RAM 667MHz 240-pin</p> <p>Upgradeable to: 8GB (4 x DIMM slots)</p> <p>Video: Intel GMA 3000 onboard graphics subsystem</p> <p>Audio: Intel HD Audio, 6-channel (5.1) subsystem using the SigmaTel* STAC9227 audio codec</p> <p>LAN: Intel® 82566DM Gigabit Ethernet Controller</p> <p>SATA: 6 x SATA II (3.0Gb / s) channels</p> <p>Intel Active Management Technology (AMT)</p> <p>*Support for up to Intel Core 2 Quad 1066MHz processors</p>	Electromagnetic compatibility (EMC)	<p>EN55022 Class A</p> <p>EN55024 Industrial severity (where applicable)</p> <p>Electrostatic discharge immunity test (EN61000-4-2)</p> <p>±4kV Contact, applied to enclosure port</p> <p>±8kV Air, applied to enclosure port</p> <p>±4kV Indirect, applied to coupling plane</p> <p>Radiated, radio-frequency, electromagnetic field immunity test (EN61000-4-3)</p> <p>80-1000MHz, 10 V/m (RMS, no modulation)</p> <p>80% Modulation with 1kHz Sine wave</p> <p>Electrical fast transient/burst immunity test (EN61000-4-4)</p> <p>Power port ac, inc. protective earth</p> <p>Severity ±2kV</p> <p>Surge Immunity test (EN61000-4-5)</p> <p>Power port ac</p> <p>Severity ±2kV applied line to line</p> <p>Severity ±2kV applied line to earth</p> <p>Immunity to conducted disturbances induced by radio frequency fields (EN61000-4-6)</p> <p>Power port ac, inc. protective earth via CDN M3</p> <p>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</p> <p>>95% Reduction, 0.5 Periods</p> <p>>30% Reduction, 25 Periods</p> <p>>95% Reduction, 250 Periods</p> <p>Voltage dips, short interrupts and voltages variations immunity tests (EN61000-6-2)</p> <p>Power port ac</p> <p>>30% Reduction, 0.5 Periods</p> <p>>60% Reduction, 25 Periods</p> <p>>100% Reduction, 250 Periods</p> <p>Limits for harmonic current measurement (EN 61000-3-2), Product Class D</p> <p>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>
Storage	<p>250GB RAID Edition SATA HDD 7200rpm</p> <p>DVDRW</p> <p>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>	Safety	<p>Safety of information technology equipment (EN 60950)</p> <p>CE Marked</p>
System expansion	<p>2 x PCI 5V 32-Bit slots</p> <p>1 x PCI Express x1 slots</p> <p>1 x PCI Express x16 slot</p>	Electrical Ratings	<p>Voltage: 90 ~ 264 VAC full range</p> <p>Frequency: 47-63Hz</p> <p>Input current: 10.0 / 5.0A for 115 / 230 VAC</p> <p>Inrush current: 80A max</p> <p>PSU maximum secondary loading: 460W*</p> <p>Active PFC</p> <p>EMI noise filter</p> <p>Over power / voltage / current protection</p> <p>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 architecture	Intel Desktop Board	Reliability	<p>System MTBF: >15,000 hrs</p> <p>(we can provide information for specific configurations)</p> <p>Four hour burn-in diagnostic run on every system</p>
Supported OS (Operating System)	<p>Windows XP, Windows 2000 (available via Windows XP Pro downgrade rights), Windows Vista</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</p> <p>Connector for 1 external serial port x 1</p> <p>Connector for 1 external IEEE-1394a / Firewire</p> <p>CD-in internal audio connector x 1</p> <p>Surround sound connector x 1</p> <p>S/PDIF-out connector x 1</p> <p>Connector for IrDA interface x 1</p> <p>Serial ATA connectors x 6</p> <p>IDE connectors x 1</p> <p>Floppy connector x 1</p> <p>24-pin ATX power connector x 1</p> <p>Wake-On-LAN connector x 1</p> <p>Fan connectors x 3</p>		
LEDs and switches	<p>Power (PC ON) LED</p> <p>Hard disk access LED</p> <p>3 x System monitor</p> <p>Front: ATX system control switch, system reset</p> <p>Rear: System ON/OFF power switch</p>		
External interfaces	<p>Mini-DIN-6 PS/2 mouse port x 1</p> <p>Mini-DIN-6 PS/2 keyboard port x 1</p> <p>DB-25 parallel port x 1</p> <p>DB-15 VGA port x 1</p> <p>USB 2.0 / 1.1 ports x 6 (6 rear, 2 front)</p> <p>IEEE 1394 / Firewire port x 1</p> <p>RJ45 LAN port x 1</p> <p>Audio jacks: mic-in, line-in and line-out</p>		
Mechanical	<p>Design: EIA RS-310C 19" Rackmount Standard</p> <p>Construction: 1.2mm SECC Zinc-Coated Steel</p> <p>Security : Lockable front doors</p> <p>Colour: Black (custom colours available for large orders)</p> <p>Dimensions: 485 (W) x 176.8 (H) x 480 (D) mm (19.1" x 7.0" x 18.9")</p> <p>Packaging size: 541 (W) x 280 (H) x 660 (D) mm (21.3" x 11.0" x 26.0")</p> <p>Total drive capacity: 4 x 5.25" external, 1 x 3.5" external, 2 x 3.5" internal</p> <p>Cooling : 1 x 120mm ball bearing fan</p> <p>Air filter: removable (washable)</p> <p>Gross weight: approximately 20kg</p>		
Environmental operational	<p>Acoustic noise: Approximately 49dBA sound pressure at 23°C (typical)</p> <p>Temperature: 0 to 45°C (tested for extended operation up to 50°C)</p> <p>Humidity: 5 to 90% at 25°C non-condensing</p>		
Environmental storage	<p>Temperature: -20 to 65°C</p> <p>Humidity: 5 to 90% at 25°C non-condensing</p>		

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