

Impact 4000 Dual Xeon

Features



The **Impact 4000 Dual Xeon** computer is powered by an Intel Server board and 2 x Intel Dual-Core Xeon processors. This system features the Intel 5000P chipset with 6 SATA channels.

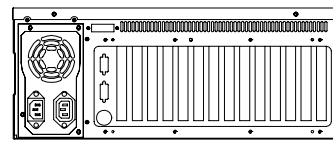
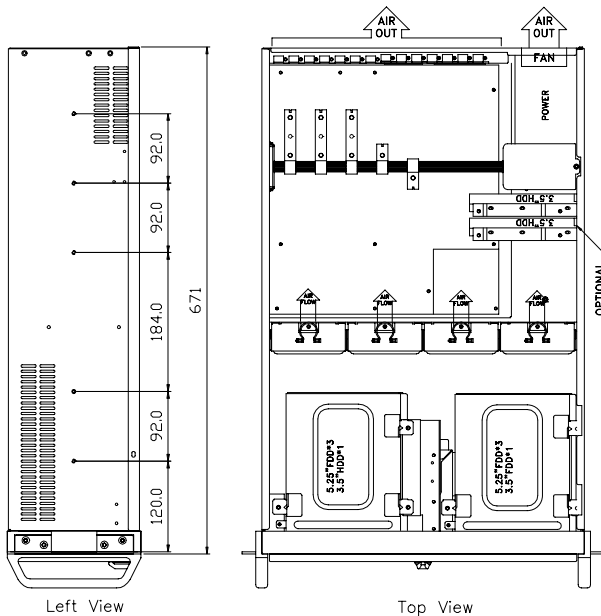
This system delivers an industrial computer platform constructed from quality industrial components, with 7 expansion slots, in a chassis in 4U industrial grade chassis.

Our production processes are controlled under ISO 9001:2000 and every system undergoes a full diagnostic burn-in prior to shipment.

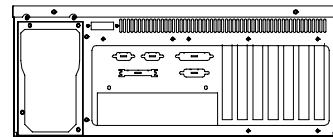
Systems can be tailored to meet your exact requirements.

Each system comes with a 3 year warranty, with first year onsite as standard.

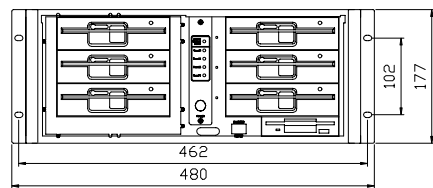
Dimensions



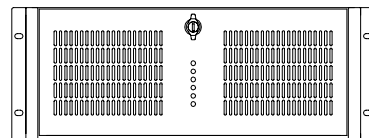
Rear out-side view



Rear out-side view



Front in-side view



Front out-side view

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: 2 x Dual-Core Intel Xeon 2.0GHz 5130 1333Mhz Chipset: Intel 5000P Main memory: 2 x 1GB 667Mhz Fully Buffered ECC Registered Upgradeable to: 32GB (8 x DIMMs) Video: Built-in Intel Graphics Media Accelerator (16MB) Maximum 2D / 3D resolution: 1600 x 1200 16.7M Colours LAN: Dual Intel Gigabit Ethernet connections (Intel 82563EB) SATA (Non-RAID): 6 x SATA II (3.0Gb/s) channels</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>Award BIOS 4Mbit flash memory</p>	Safety	<p>Safety of information technology equipment (EN 60950) CE Marked</p>
Storage	<p>250GB RAID Edition SATA HDD 7200rpm DVDRW drive</p> <p>Total drive capacity: 6 x 5.25" external, 1 x 3.5" external, 1 x 3.5" internal</p> <p>We can provide storage and backup solutions for any application</p>	Electrical Ratings	<p>Voltage: 100 – 240 VAC full range Frequency: 47-63Hz Input current: 10.0 A @ 115 VAC and 60Hz Inrush current: 80A max PSU maximum secondary loading: 600W* Active PFC</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>2 x PCI Express x8 (1 x taken by SATA controller) 2 x PCI Express x4 (x8 connectors) 1 x PCI-X 100 / 133 MHz 1 x PCI-X 100 MHz</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	<p>Intel server motherboard</p>		
Supported OS (Operating System)	<p>Windows XP, Windows 2003 Server, Windows 2000 (available via Windows XP Pro downgrade rights)</p> <p>If your desired operating system is not listed, please contact us</p>		
LEDs and switches	<p>Front: Power (PC ON) LED Hard disk access LED LAN activity x 2 System monitor x 2 LED and single alarm reset switch ATX system control switch, system reset Rear: System ON/OFF power switch x 3 (x 1 per module)</p>		
External interfaces	<p>Mini-DIN-6 PS/2 mouse port x 1 Mini-DIN-6 PS/2 keyboard 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 2</p>		
Mechanical	<p>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 177 (H) x 671 (D) mm (19.0" x 7.0" x 26.4") Packaging size: 854 (W) x 336 (H) x 576 (D) mm (33.6" x 13.2" x 22.7") Total drive capacity: 6 x 5.25" external, 1 x 3.5" external, 1 x 3.5" internal Cooling : Industrial fans 4 x 92mm (51 CFM each) Gross weight: approximately 40kg (fully populated)</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>		

14-07-08

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