

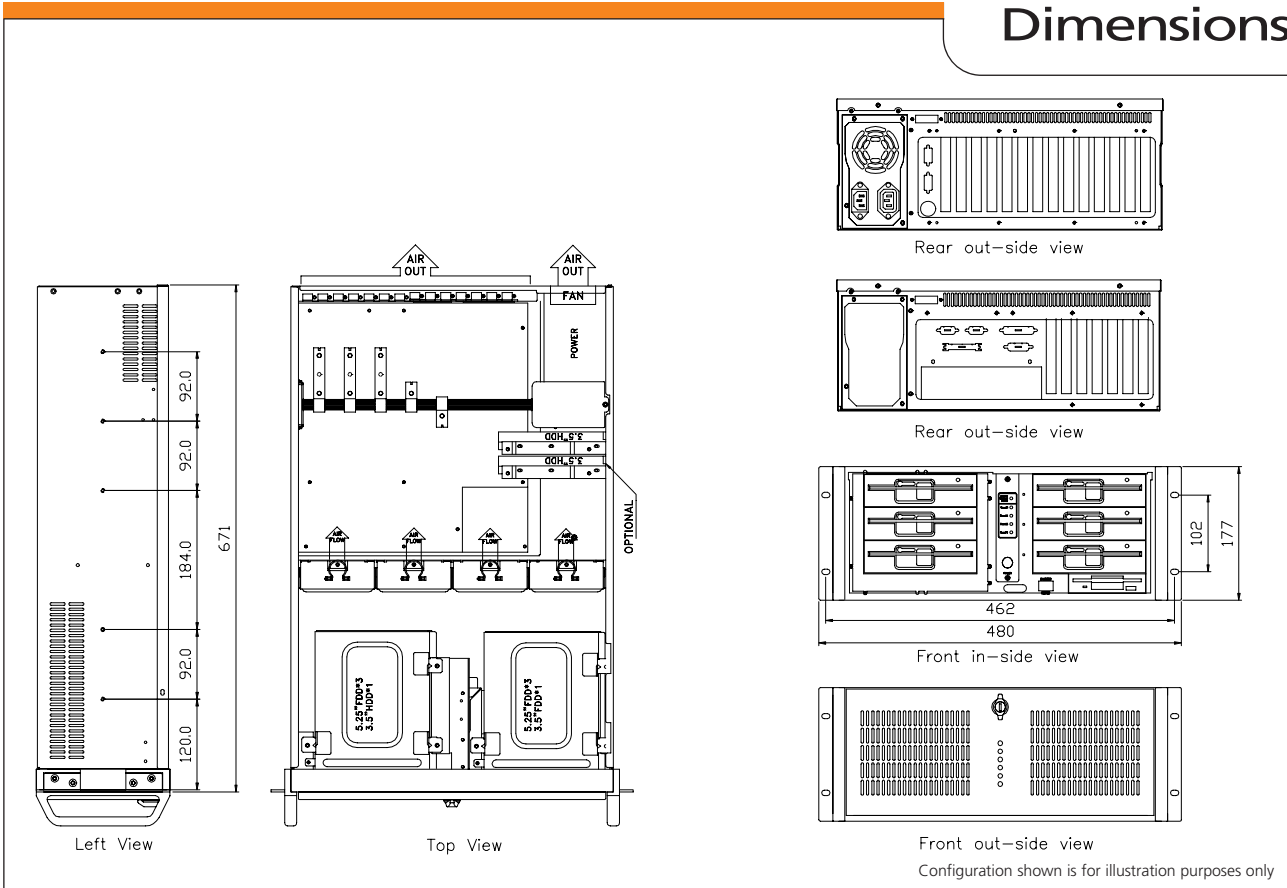
Impact 4000 Dual socket Xeon

Features



The Impact 4000 Dual socket Xeon industrial computer provides high end processing performance for industrial applications. Similar to our Ventrax range, this system features a heavy duty steel chassis and high quality power supply. It is powered by a server class Intel chipset motherboard and two 2.4GHz E5620 Quad Core Xeon processors.

Dimensions



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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	CPU: 2 x Intel Quad Core Xeon 2.4GHz E5620 Chipset: Intel 5520 Chipset Main memory: 6GB DDR3 Upgradeable to 192GB DDR3 ECC Registered (48GB 1333MHz) Video: Integrated Matrox G200eW Graphics LAN: Intel 82576 Dual-Port Gigabit Ethernet with IPMI 2.0 SATA (RAID 0, 1, 5, 10): 6 x SATA II Slim DVDROM	Electromagnetic compatibility (EMC)	EN55022 Class A EN55024 Industrial severity (where applicable)
Storage	250GB RAID Edition SATA HDD 7200rpm DVDRW drive Total drive capacity: 6 x 5.25" external, 1 x 3.5" external, 1 x 3.5" internal We can provide storage and backup solutions for any application		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
System expansion	1 (x16) PCI-E 2.0 2 (x8) PCI-E 2.0 1 (x4) PCI-E (in x8 slot) 2x PCI 33MHz slots		Radiated, radio-frequency, electromagnetic field immunity test (EN61000-4-3) 80-1000MHz, 10 V/m (RMS, no modulation) 80% Modulation with 1kHz Sine wave
System architecture	Intel Chipset Xeon Server Board		Electrical fast transient/burst immunity test (EN61000-4-4) Power port AC, inc. protective earth Severity ±1kV
Supported OS (Operating System)	Windows Server 2003, 2008 R2 32/64Bit Windows XP Pro, Vista, 7 32/64Bit Extensive Linux Support, please call for specific version compatibility		Surge Immunity test (EN61000-4-5) Power port AC Severity ±1kV applied line to line Severity ±2kV applied line to earth
LEDs and switches	Front: Power (PC ON) LED Hard disk access LED LAN activity x 2 Drive caddy HDD activity and power LED x 16 System monitor x 2 LED and single alarm reset switch ATX system control switch, system reset Rear: System ON/OFF power switch x 3 (1 per module)		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
External interfaces	Mini-DIN-6 PS/2 mouse port x 1 Mini-DIN-6 PS/2 keyboard port x 1 DE-15 VGA port x 1 USB 2.0/1.1 ports x 4 (2 rear, 2 front) RJ45 LAN port x 2 RS 232 (DE9)COM Port x 1		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
Mechanical	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)		Limits for harmonic current measurement (EN 61000-3-2), Product Class A Limitation of voltage changes, voltage fluctuations and flicker (EN 61000-3-3)
Environmental operational	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		Amplicon own a fully equipped EMC facility and can provide many additional tests to meet your requirements.
Environmental storage	Temperature: -20 to 65°C Humidity: 5 to 90% at 25°C non-condensing		Safety
		Electrical Ratings	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
		Reliability	System MTBF: Critical components failure typically >45,000 hrs @ 25°C (we can provide information for specific configurations) Full burn-in diagnostic run on every system
			*Higher rated power supplies are available and we recommend that you discuss your power requirements before placing your order

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