

# Impact Server 2000 Series



## Features

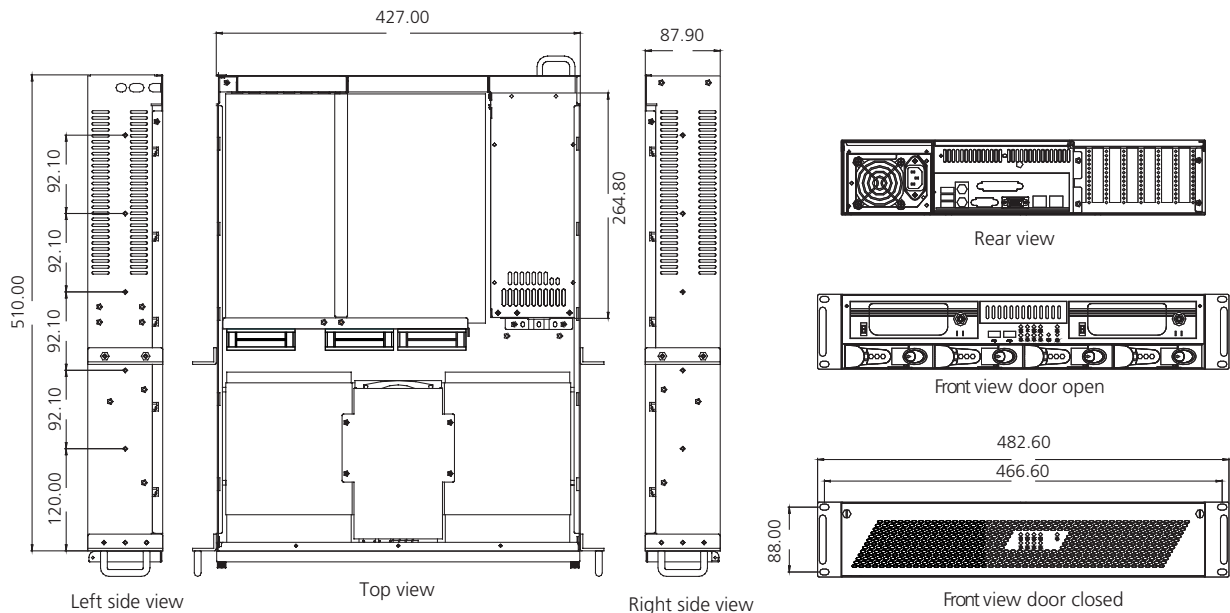
The **Impact Server 2000** is a high-quality and high-reliability storage platform designed for professional IP CCTV and IP surveillance applications. This model provides up to 8TB of storage in 4 removable 3.5" drive bays and has flexible RAID capability.

The Impact Server 2000 was developed in partnership with the technical experts at Milestone - a market-leading IP surveillance software manufacturer - to give you peace of mind that this product will perform in any critical IP surveillance application.

High quality components and on-site warranty option provide all the options required by OEMs and integrators working in the CCTV market.

With 10 years experience of building high-reliability PC / server systems, Amplicon are also able to custom design server platforms for DVR & NVR applications.

## Dimensions



Configuration shown is for illustration purposes only

Sales: +44 (0) 1273 570 220 Admin: +44 (0) 1273 608 331 Fax: +44 (0) 1273 570 215 Website: [www.amplicon.com](http://www.amplicon.com) Email: [sales@amplicon.com](mailto:sales@amplicon.com)

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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 Celeron Dual Core E1500, 2.20GHz, 800MHz, 512KB cache*                  Chipset: Intel G31 + ICH7                  Main memory: 1GB DDR2 RAM 667MHz 240-pin                  Upgradeable to: 4GB (2 x DIMM slots)                  Audio: Realtek 6-channel high definition audio chip                  LAN: Realtek 10/100/1000 LAN chip                  SATA: 4 x SATA II (3.0Gb / s) channels                  DVDRW</p> <p>* Supports up to Intel Core 2 Quad Q9400, 2.66GHz, 1333MHz, 6MB cache &amp; Intel Core 2 Duo E6420, 2.13GHz, 1066MHz, 4MB cache</p>	Electromagnetic compatibility (EMC)	<p>EN55022 Class A                  EN55024 Industrial severity (where applicable)                  Additional Levels &amp; tests to EN50121-4 Railway Applications</p> <p>Electrostatic discharge immunity test (EN61000-4-2)                  ±6kV Contact, applied to enclosure port                  ±8kV Air, applied to enclosure port                  ±6kV Indirect, applied to coupling plane</p> <p>Radiated, radio-frequency, electromagnetic field immunity test (EN61000-4-3)                  80-1000MHz, 20 V/m (RMS, no modulation)                  80% Modulation with 1kHz Sine wave                  900MHz, 20V/m (RMS, no modulation) pulse mod 50% duty, 200Hz rep</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                  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                  &gt;95% Reduction, 0.5 Periods                  &gt;30% Reduction, 25 Periods                  &gt;95% Reduction, 250 Periods</p> <p>Limits for harmonic current measurement (EN 61000-3-2), Product Class A                  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>
System options	<p>Impact-S 2104: 2U system with 1 CPU, supports up to 4 configured HDDs</p> <p>Windows XP partition size limited to 2TB</p>	Safety	<p>Safety of information technology equipment (EN 60950)                  CE Marked</p>
Disk capacity	<p>Up to 4 x Western Digital RAID Edition 2 SATA II HDD 7200rpm                  Maximum storage 4 TB using 2TB HDDs                  Western Digital 250GB SATA as standard (for operating system only)</p> <p>Usable storage capacity will be less due to industry drive specifications.</p>	Electrical Ratings	<p>Voltage: 90 ~ 264 VAC full range                  Frequency: 47 ~ 63Hz                  Inrush current: 55A / 110A (115 / 230VAC)                  PSU maximum secondary loading: 460W                  Active PFC                  EMI noise filter                  Over power / voltage / current protection                  Short circuit protection</p>
System expansion	<p>1 x PCI Express x16 (Low profile)                  1 x PCI Express x1 (Low profile)                  2 x PCI 5V (Low profile)</p>	Reliability	<p>System MTBF: Critical components failure &gt;45,000 hrs @ 25°C                  (we can provide information for specific configurations)                  Full burn-in diagnostic run on every system</p>
System architecture	<p>Intel based commercial motherboard</p>	Supported OS (Operating System)	<p>Windows Vista, Windows XP professional for embedded systems</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 x 4                  LAN activity                  Drive caddy HDD activity x 4                  ATX system control switch, system reset</p>	Internal interfaces	<p>2 x onboard connectors for 4 x additional external USB 2.0/1.1 ports                  1 x Connector for 1 external serial port                  1 x IDE connector                  1 x 24-pin ATX power connector                  1 x 4-pin ATX 12V power connector                  1 x Floppy disk drive connector                  1 x CPU fan header (4-pin)                  1 x System fan header (4-pin)                  1 x Front panel connector                  1 x CD_IN connector                  1 x Front Audio connector                  1 x Chassis speaker connector                  1 x TPM connector                  1 x IrDA connector</p>
External interfaces	<p>1 x DB-15 VGA port                  4 x USB 2.0 / 1.1 ports                  1 x RS232 port                  1 x Parallel port                  1 x RJ45 LAN port                  1 x Audio jacks: mic-in, line-in and line-out                  1 x PS/2 keyboard port                  1 x PS/2 mouse port</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 88 (H) x 560 (D) mm (19.0" x 3.5" x 22.1")                  Packaging size: 570 (W) x 220 (H) x 735 (D) mm (22.4" x 8.7" x 28.9")                  Total drive capacity: 2 x 5.25" external, 1 x 3.5" external, 4 x hot-swap 3.5" SATA bays                  Cooling : Industrial fans 3 x 80mm (42.5 CFM each)                  Gross weight: approximately 20kg (fully populated)</p>
Environmental operational	<p>Acoustic noise: Approximately 50dBA sound pressure at 23°C (typical)                  Temperature: 0 to 45°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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