

Impact-S 3104



Features

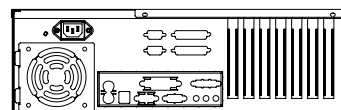
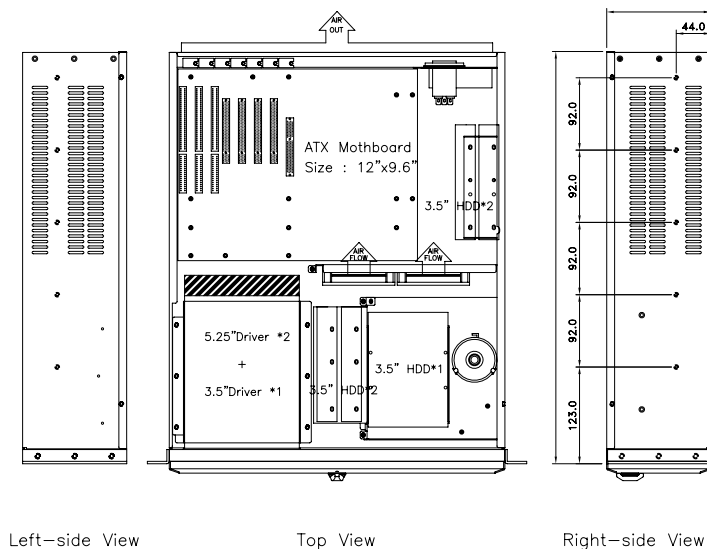
The **Impact-S 3000** has been developed to act as a high capacity and low cost storage platform for DVR, NVR and ANPR applications.

The unit has multiple PCI Express and 5V PCI expansion slots for analogue capture boards. The gigabit LAN interface can be used for connection to an IP camera network. With up to 8TB of storage on-board, the Impact-S 3000 can serve as the ideal hybrid solution with plenty of capacity for adding more IP cameras in the future.

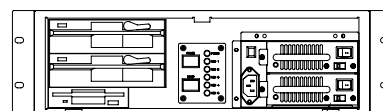
High quality components and on-site warranty option provide all the options required by OEMs and integrators working in the CCTV market.

With 10 years experience of building high-reliability PC / server systems, Amplicon are able to custom design a solution to provide the best technical and commercial solution for your security application.

Dimensions

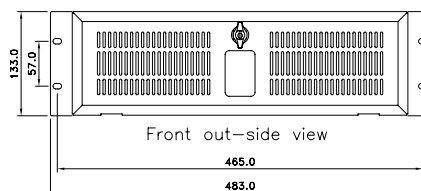


Rear out-side view



Front in-side view

MINI REDUNDANT POWER



Front out-side view

Configuration shown is for illustration purposes only

Impact-S 3104

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 & Intel® Core™ 2 Duo E6420, 2.13GHz, 1066MHz, 4MB cache</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>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 3104: 3U system with 1 CPU, supports up to 4 configured HDDs</p> <p>Windows XP partition size limited to 2TB</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>	
System expansion	<p>1 x PCI Express x16 1 x PCI Express x1 2 x PCI 5V</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>Power (PC ON) LED Hard disk access LED x 5 Front: 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: 1.2mm SECC Zinc-Coated Steel Security : Lockable front door Colour: Black (custom colours available for large orders) Dimensions: 483 (W) x 133 (H) x 526 (D) mm (19" x 5.2" x 20.7") Packaging size: 588 (W) x 285 (H) x 703 (D) mm (23.1" x 11.2" x 27.7") Total drive capacity: 2 x 5.25", 1 x 3.5" external, 4 x 3.5" internal Cooling : 1 x 80mm, 2 x 92mm ball bearing fan Air filter: removable (washable) Gross weight: approximately 18kg</p>	
Environmental operational	<p>Acoustic noise: Approximately 52dBA 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: Critical components failure >45,000 hrs @ 25°C (we can provide information for specific configurations) Full burn-in diagnostic run on every system</p>	

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