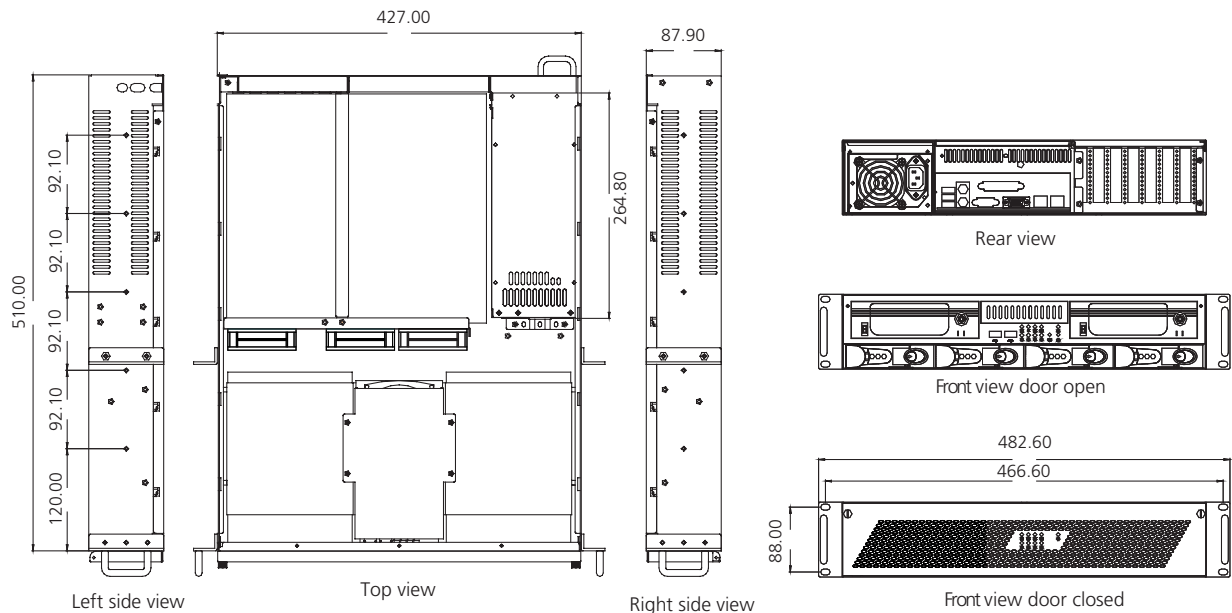# Impact-S 2400

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 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 over 15 years experience of building high-reliability PC / server systems, Amplicon are also able to custom design server platforms for DVR & NVR applications.

Dimensions

427.00 — 87.90 — 264.80 — 510.00 — 92.10 — 92.10 — 92.10 — 92.10 — 92.10 — 120.00

Left side view

Top view

Right side view

Rear view

Front view door open

482.60 — 466.60 — 88.00

Front view door closed

Configuration shown is for illustration purposes only

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Amplicon

Impact-S 2400

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: Intel® Xeon™ E5-2630v4 2.2GHz 25MB cache (will house dual CPU) Chipset: Intel® C612 Main memory: Up to 1TB ECC DDR4 2400MHz (8-slots) Video: ASPEED AST2400 BMC LAN: Dual Intel® i210, RTL8211E IPMI SATA: 10 x SATA channels (8 x SATA II, 2 x SATA III) DVDROM
Disk capacity¹	4 x 3.5" RAID Edition drives Configured as RAID 0, 1, 5, 10, 50, JBOD
System expansion² (low profile only)	3 PCI-E 3.0 x8 1 PCI-E 3.0 x16 1 PCI-E 3.0 x4 (in x8) 1 PCI-E 2.0 x4 (in x8)
Supported OS (Operating System)	Microsoft Server 2012R2, Server 2016 RHEL If your desired operating system is not listed, please contact us
LEDs and switches	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
External interfaces	2 x RJ45 Dual GbE 1 x RJ45 IPMI 1 x VGA 2 x USB 3.0 Type-A, 2 x USB 2.0 Type-A 1 x DB9 Serial
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 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)
Environmental operational	Acoustic noise: Approximately 50dBA sound pressure at 23°C (typical) Temperature: 0 to 45°C Humidity: 5 to 90% at 25°C non-condensing
Environmental storage	Temperature: -20 to 65°C Humidity: 5 to 90% at 25°C non-condensing
Electrical Ratings	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
Electromagnetic compatibility (EMC)	EN55032 Class A EN55024 Industrial severity (where applicable) Additional Levels & tests to EN50121-4 Railway Applications 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 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 Electrical fast transient/burst immunity test (EN61000-4-4) Power port ac, inc. protective earth Severity ±2kV 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 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 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 Power - frequency magnetic field (EN 61000-4-8) 50Hz, 16.7Hz, 0Hz 100 A/m (rms) Limits for harmonic current measurement (EN 61000-3-2), Product Class D Limitation of voltage changes, voltage fluctuations and flicker (EN 61000-3-3) Amplicon own a fully equipped EMC facility and can provide many additional tests to meet your requirements.
Safety	Safety of information technology equipment (EN 60950) CE Marked
Reliability	System MTBF: >23,000 hrs (we can provide information for specific configurations) Four hour burn-in diagnostic run on every system

*¹ Usable storage capacity will be less.
*² All lanes available only with dual CPU