

Impact-S 2400



Features

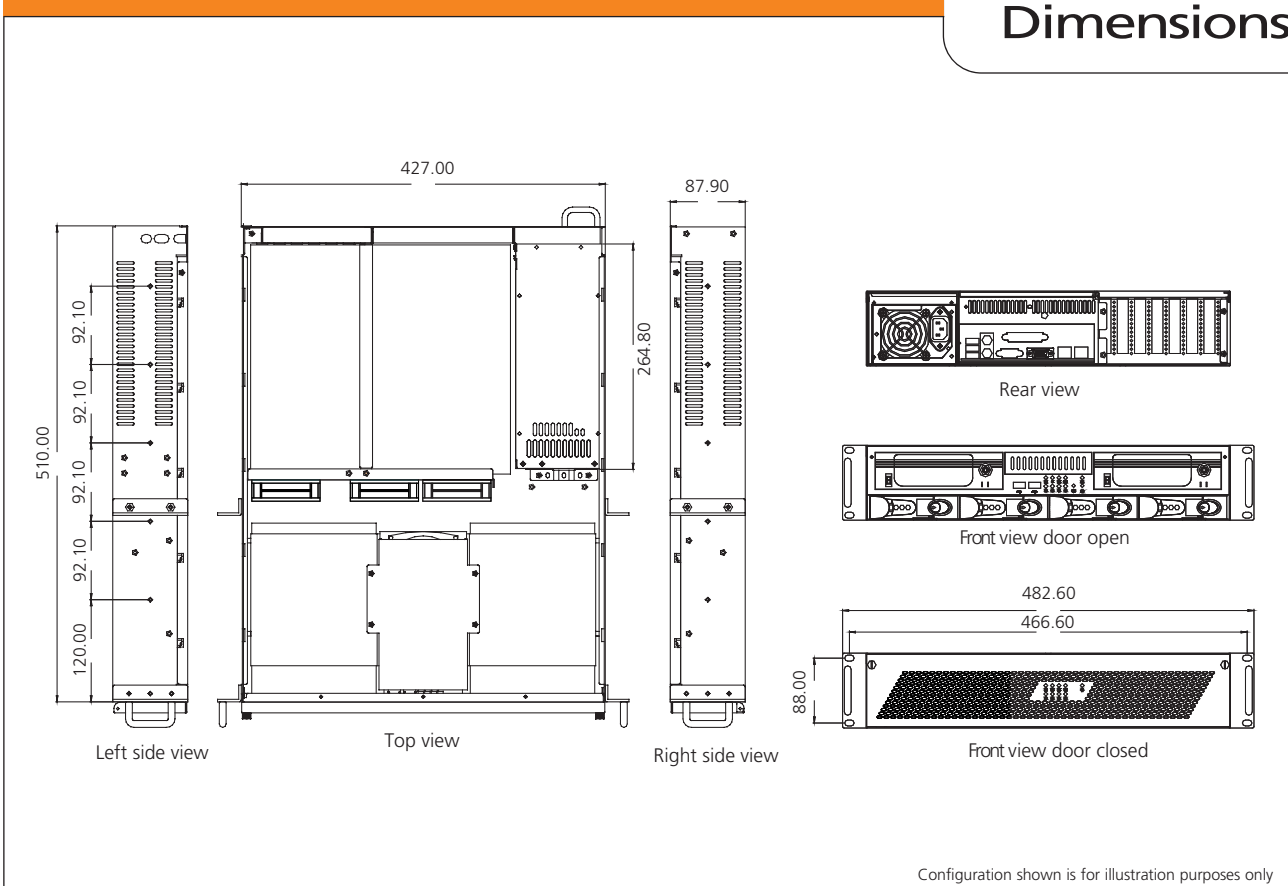
The **Impact Server 2000** is a high-quality and high-reliability storage platform designed for professional IP CCTV and IP surveillance applications. This model provides storage in 4 removable 3.5" drive bays and has flexible RAID capability.

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



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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: 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 | Electromagnetic compatibility (EMC) | EN55032 Class A EN55024 Industrial severity (where applicable) Additional Levels & tests to EN50121-4 Railway Applications |
| Disk capacity ¹ | 4 x 3.5" RAID Edition drives Configured as RAID 0, 1, 5, 10, 50, JBOD | | 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 |
| System expansion ² (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) | | 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 |
| Supported OS (Operating System) | Microsoft Server 2012R2, Server 2016 RHEL If your desired operating system is not listed, please contact us | | Electrical fast transient/burst immunity test (EN61000-4-4) Power port ac, inc. protective earth Severity ±2kV |
| 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 | | Surge Immunity test (EN61000-4-5) Power port ac Severity ±2kV applied line to line Severity ±2kV applied line to earth |
| 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 | | 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 |
| 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) | 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 | |
| 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 | 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 | |
| Environmental storage | Temperature: -20 to 65°C Humidity: 5 to 90% at 25°C non-condensing | Power - frequency magnetic field (EN 61000-4-8) 50Hz, 16.7Hz, 0Hz 100 A/m (rms) | |
| 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 | 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: >15,000 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