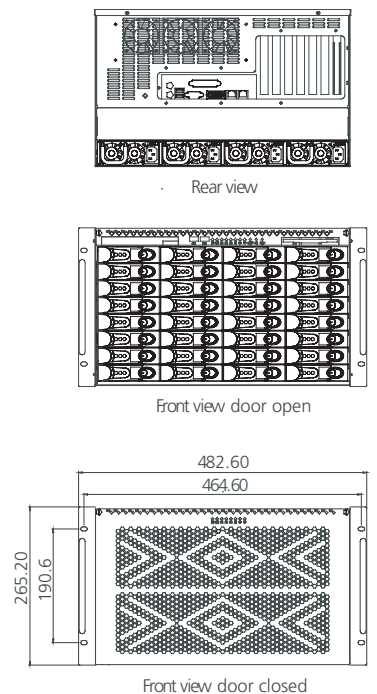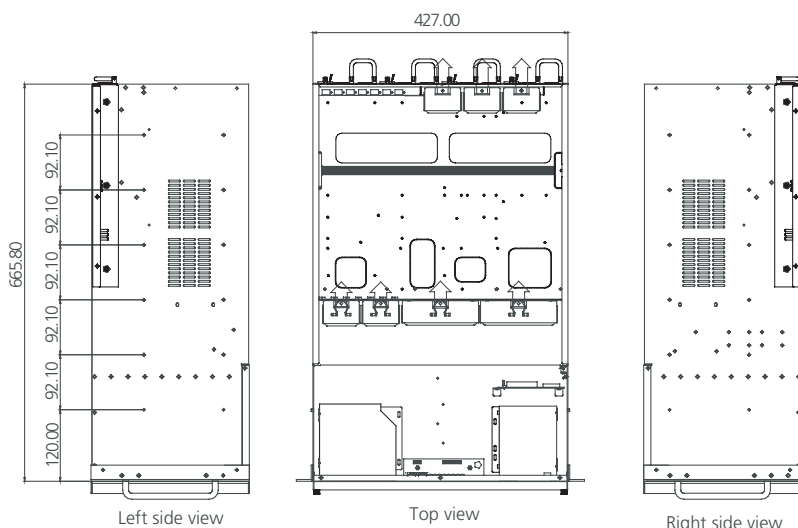# Impact-S 6400

Features

The **Impact Server 6000** is a high-quality and high-reliability storage platform designed for professional IP CCTV and IP surveillance applications. This model provides 32 removable 3.5" drive bays and has flexible RAID capability.

The Impact Server 6000 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, single or dual Xeon options, redundant power supply and on-site warranty 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

Left side view

Top view

Right side view

Rear view

Front view door open

Front view door closed

Configuration shown is for illustration purposes only

Impact-S 6400

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	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
Disk capacity[1]	32 x 3.5" RAID Edition drives Configured as RAID 0, 1, 5, 10, 50, JBOD		
Hardware monitor	Independant thermal and fan speed monitoring hardware		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
System expansion[2]	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)		Electrical fast transient/burst immunity test (EN61000-4-4) Power port ac, inc. protective earth Severity ±2kV
Supported OS (Operating System)	Microsoft Server 2012R2, Server 2016. RHEL If your desired operating system is not listed, please contact us		Surge Immunity test (EN61000-4-5) Power port ac Severity ±2kV 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 (x 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	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		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 265 (H) x 666 (D) mm (19.0" x 10.4" x 26.2") Packaging size: 855 (W) x 418 (H) x 610 (D) mm (33.7" x 16.5" x 24.0") Total drive capacity: 1 x Slim CDROM, 2 x 3.5" internal, 1 x 3.5" Slim FDD, 32 x 3.5" hot-swap 3.5" SATA bays Cooling : Industrial hot-swap fans 2 x 120mm (90 CFM each) + 2 x 60mm (23.5 CFM each) mid-chassis, 3 x 60mm (23.5CFM) rear Gross weight: approximately 70kg (fully populated)		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 A 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.
Environmental operational	Acoustic noise: Approximately 65dBA sound pressure at 23°C (typical) Temperature: 0 to 45°C Humidity: 5 to 90% at 25°C non-condensing	Safety	Safety of information technology equipment (EN 60950) CE Marked
Environmental storage	Temperature: -20 to 65°C Humidity: 5 to 90% at 25°C non-condensing	Electrical Ratings	Industrial N+1 redundant design power supply (four modules) Voltage: 90 ~ 264 VAC full range Frequency: 47 ~ 63Hz Inrush current: 60A / 100A (115 / 230VAC) PSU maximum secondary loading: 1350W Active PFC (95% @ 110V, full load) EMI noise filter Over power/voltage/current protection Short circuit protection
		Reliability	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

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