



## 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	<p>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</p>	Electromagnetic compatibility (EMC)	<p>EN55032 Class A                  EN55024 Industrial severity (where applicable)                  Additional Levels &amp; tests to EN50121-4 Railway Applications</p>
Disk capacity <sup>1</sup>	<p>4 x 3.5" RAID Edition drives                  Configured as RAID 0, 1, 5, 10, 50, JBOD</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>
System expansion <sup>2</sup> (low profile only)	<p>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)</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>
Supported OS (Operating System)	<p>Microsoft Server 2012R2, Server 2016                  RHEL                  If your desired operating system is not listed, please contact us</p>		<p>Electrical fast transient/burst immunity test (EN61000-4-4)                  Power port ac, inc. protective earth                  Severity ±2kV</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>		<p>Surge Immunity test (EN61000-4-5)                  Power port ac                  Severity ±2kV applied line to line                  Severity ±2kV applied line to earth</p>
External interfaces	<p>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</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>
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>		<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>
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>		<p>Voltage dips, short interrupts and voltages variations immunity tests (EN61000-6-2)                  Power port ac                  &gt;30% Reduction, 0.5 Periods                  &gt;60% Reduction, 25 Periods                  &gt;100% Reduction, 250 Periods</p>
Environmental storage	<p>Temperature: -20 to 65°C                  Humidity: 5 to 90% at 25°C non-condensing</p>	Safety	<p>Power - frequency magnetic field (EN 61000-4-8)                  50Hz, 16.7Hz, 0Hz 100 A/m (rms)</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>	Reliability	<p>Limits for harmonic current measurement (EN 61000-3-2), Product Class D</p> <p>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> <p>Safety of information technology equipment (EN 60950)                  CE Marked</p> <p>System MTBF: &gt;15,000 hrs                  (we can provide information for specific configurations)                  Four hour burn-in diagnostic run on every system</p>

<sup>1</sup> Usable storage capacity will be less.  
<sup>2</sup> All lanes available only with dual CPU