

Impact-R 2020 Rail

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 Core i5 660, 3.33GHz, 4MB Cache Chipset : Intel Q57 Main Memory : 2 x 2GB DDR3 1333Mhz 240pin Upgradeable to : 16GB Video : Intel Graphics Processing Unit - Supports 3D,2D, and Video Audio : Realtek ALC262 2 Channel High Definition Audio LAN : Realtek 10/100/1000 LAN Chip Intel 10/100/1000 LAN Chip SATA : 6 x SATA II (3.0Gb/s) channels DVDRW</p>	Certification	Environmental
System options	Impact-R 2020 Rail : 2U System with 1CPU, supports upto 4 HDDs		EN 50155 : 2007 , 12.2.3 The following test was required by specification : EN 60068-2-1 Test Ad, 0°C
Disk capacity	<p>Up to 3 x RAID Edition 2 SATA II HDD 7200rpm Maximum storage 6 TB using 2TB HDDs 2 x 250GB RAID 1 for Operating System</p> <p>Usable storage capacity will be less due to industry drive specifications.</p>		EN 50155 : 2007 , 12.2.4 The following test was required by specification : EN 60068-2-2 Test Bd, 45°C
System expansion	<p>1 x PCI Express x 16 (Low profile) 1 x PCI Express x 4 (Low profile) 2 x PCI Express x 1 (Low profile) 3 x PCI 33MHz (Low profile)</p>		EN 50155 : 2007 , 12.2.5 The following test was required by specification : EN 60068-2-30 Test Db, 45°C/93% rh and 25°C/95% rh
System architecture	Industriail roadmapped motherboard		EN 60068-2-78 The following test was required by specification : EN 60068-2-78 Test Cab, 40°C
Supported OS (Operating System)	<p>Windows XP 32/64Bit, Windows Vista 32/64Bit, Windows 7 32/64Bit, Windows Server 2003</p> <p>If your desired operating system is not listed, please contact us</p>		EMC EN 50121-4 : 2006 EN 61000-6-4 : 2007 Radiated Emissions (Enclosure Port)* Conducted Emissions (AC Power Port)* * Meets requirements of EN 61000-6-3 : 2007
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>		EN 61000-4-3 : 2006 Immunity to Radio Frequency Electromagnetic Field. Amplitude Modulated (Enclosure Port) 80 - 1000MHz 80% Mod @ 1KHz, 10V/m 0.8 - 1.0GHz 80% Mod @ 1KHz, 20V/m 1.4 - 2.1GHz 80% Mod @ 1KHz, 10V/m 2.1 - 2.5GHz 80% Mod @ 1KHz, 5V/m Immunity to Radio Frequency Electromagnetic Field from Digital Mobile Telephones (Enclosure Port)
Internal interfaces	<p>4 x Connectors for 8 additional external USB 2.0 Ports 2 x Connectors for 2 external COM Ports 1 x Front Audio Connector for Line-In 1 x CD-in Internal audio Connector 1 x 8 bits Digital I/O Connector 6 x Serial ATA connectors 1 x Front Panel Connector 1 x Chassis Intrusion Connector</p>		EN 61000-4-2 : 2009 Immunity to Electrostatic Discharge (Enclosure Port) EN 50121-4, Table 1 Clause 1.4
External interfaces	<p>1 x Mini-DIN-6 PS/2 mouse port 1 x Mini-DIN-6 PS/2 keyboard port 1 x DVI-I port (DVI-D signal only) 1 x VGA port 2 x COM Ports 2 x RJ45 LAN Ports 4 x USB Ports MIC-In, Line-In and Line-Out jacks</p>		EN 61000-4-3 : 2006 Immunity to Radio Frequency Common Mode (I/O Port) EN 50121-4, Table 2 Clause 2.1 (LAN Port) Immunity to Radio Frequency Common Mode (AC Power Port) EN 50121-4, Table 4 Clause 4.1
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>		EN 61000-4-4 : 2004 + C1 : 2006 + C2 : 2007 Immunity to Fast Transients (I/O Port - LAN) EN 50121-4, Table 2 Clause 2.2 Immunity to Fast Transients (AC Power Port) EN 50121-4, Table 4 Clause 4.1
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>	Safety	EN 61000-4-5 : 2006 Immunity to Surges (I/O Port - LAN) EN 50121-4, Table 2 Clause 2.3 Immunity to Surges (AC Power Port) EN 50121-4, Table 4 Clause 4.3
Environmental storage	<p>Temperature: -20 to 65°C Humidity: 5 to 95% at 25°C non-condensing</p>	Electrical Ratings	EN 61000-4-6 : 2009 Immunity to Radio Frequency Common Mode (I/O Port) EN 50121-4, Table 2 Clause 2.1 (LAN Port) Immunity to Radio Frequency Common Mode (AC Power Port) EN 50121-4, Table 4 Clause 4.1
		Reliability	EN 61000-4-4 : 2004 + C1 : 2006 + C2 : 2007 Immunity to Fast Transients (I/O Port - LAN) EN 50121-4, Table 2 Clause 2.2 Immunity to Fast Transients (AC Power Port) EN 50121-4, Table 4 Clause 4.1
			EN 61000-4-5 : 2006 Immunity to Surges (I/O Port - LAN) EN 50121-4, Table 2 Clause 2.3 Immunity to Surges (AC Power Port) EN 50121-4, Table 4 Clause 4.3
			Safety of information technology equipment (EN 60950) CE Marked
			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
			System MTBF: Critical components failure >45,000 hrs @ 25°C Full burn-in diagnostic run on every system

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