

# Impact-R 4010 Rail



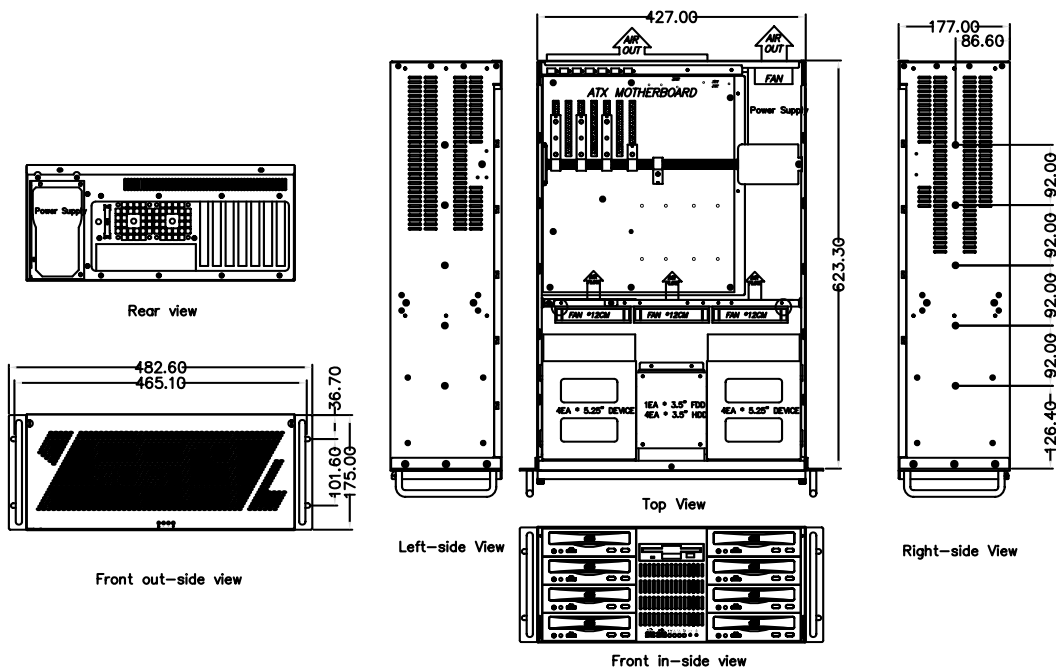
## Features

The Impact-R 4010 Rail industrial computer has been specifically designed for rail applications and has been independently certified to rail standards EN 50155:2007 and EN 50121-4:2006.

Powered by the latest Intel Core i7 processor, the system features iAMT 6.0 remote support. Professional quality dual-head graphics is provided by a plug-in Matrox P690 Card.

A Dual redundant Industrial power supply provides reliable operation for mission critical applications.

## Dimensions



Configuration shown is for illustration purposes only

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## Impact-R 4010 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 i7 860, 2.8GHz, 8MB Cache                  Chipset : Intel Q57                  Main Memory : 2 x 2GB DDR3 1333Mhz 240pin                  Upgradeable to : 16GB                  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                  Video : Dual-Head Matrox P690 (max resolution 1920x1200)</p>	Certification	Environmental
System options	Impact-R 4010 Rail : 4U System with 1CPU, supports upto 3 HDDs		<p>EN 50155 : 2007 , 12.2.3                  The following test was required by specification : EN 60068-2-1                  Test Ad, 0°C</p> <p>EN 50155 : 2007 , 12.2.4                  The following test was required by specification : EN 60068-2-2                  Test Bd, 45°C</p> <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</p> <p>EN 60068-2-78                  The following test was required by specification : EN 60068-2-78                  Test Cab, 40°C</p>
Disk capacity	<p>Up to 3 x RAID Edition 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>		<p>EMC</p> <p>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</p> <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)</p> <p>EN 61000-4-2 : 2009                  Immunity to Electrostatic Discharge (Enclosure Port)                  EN 50121-4, Table 1 Clause 1.4</p> <p>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</p> <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</p> <p>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</p>
System expansion	<p>1 x PCI Express x 4                  2 x PCI Express x 1                  3 x PCI 33MHz</p>		
System architecture	Industriail roadmapped motherboard		
Supported OS (Operating System)	<p>Windows XP 32/64Bit, Windows Vista 32/64Bit, Windows 7 32/64Bit, Windows Server 2003                  If your desired operating system is not listed, please contact us</p>		
LEDs and switches	<p>Front:                  Power (PC ON) LED                  Hard disk access LED                  LAN activity x 2                  ATX system control switch, system reset</p>		
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>		
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>		
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 177 (H) x 624 (D) mm (19.0" x 7" x 24.5")                  Packaging size: 800 x 331 x 590 mm (31.5" x 13.0" x 23.2")                  Total drive capacity: 8 x 5.25" external, 1 x 3.5" external, 4 x 3.5" internal SATA bays                  Cooling : Industrial fans 3 x 120mm (90 CFM each)                  Gross weight: approximately 25kg (fully populated)</p>	Safety	<p>Safety of information technology equipment (EN 60950)                  CE Marked</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>	Electrical Ratings	<p>Voltage: 90 ~ 264 VAC full range                  Frequency: 47 ~ 63Hz                  Inrush current: 80A / 120A (100 / 240VAC)                  PSU maximum secondary loading: 440W                  Active PFC                  EMI noise filter                  Over power / voltage / current protection                  Short circuit protection                  Dual Redundant</p>
Environmental storage	<p>Temperature: -20 to 65°C                  Humidity: 5 to 95% at 25°C non-condensing</p>	Reliability	<p>System MTBF: Critical components failure &gt;45,000 hrs @ 25°C                  Full burn-in diagnostic run on every system</p>

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