

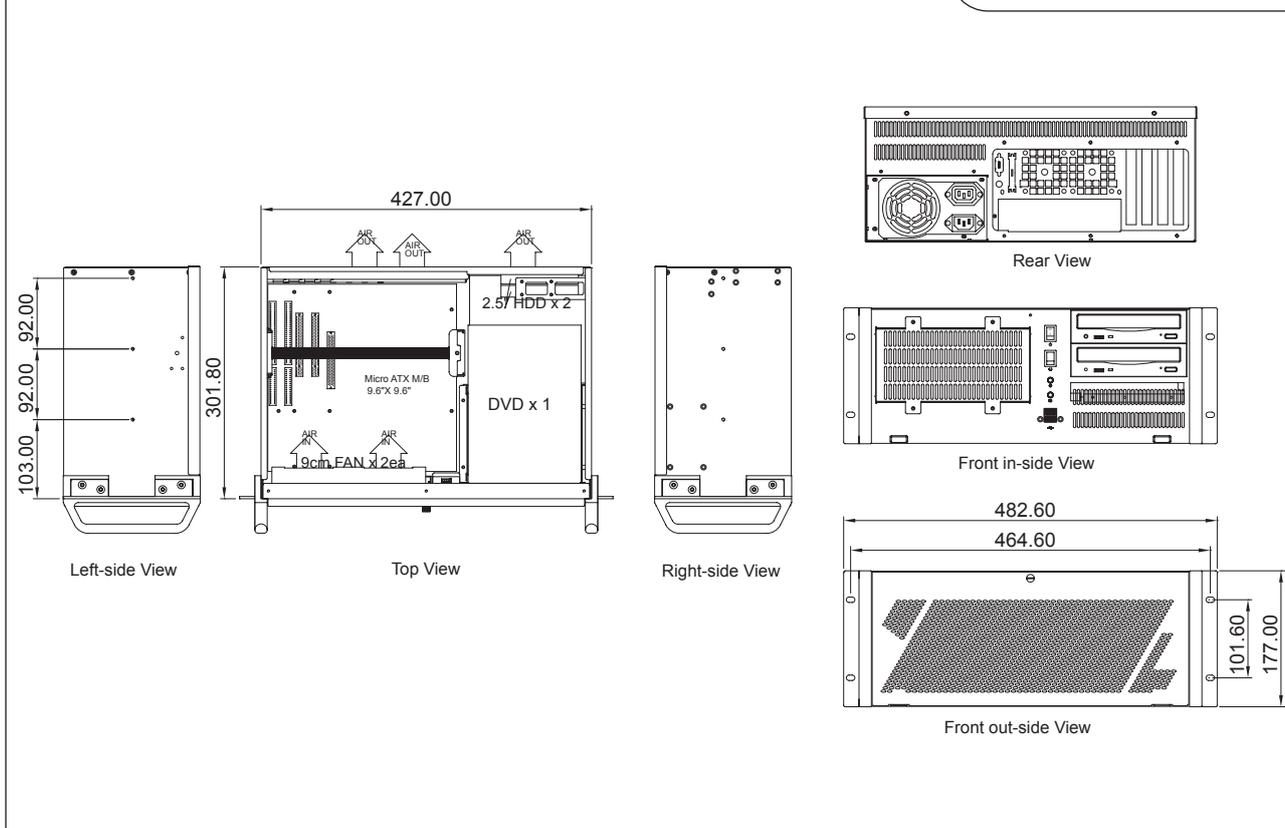
# Impact-R 4040S



## Features

- Intel® Core™ processor technology
- Supports iAMT 9
- 3 year warranty
- OEM branding service available
- Constructed from roadmapped components
- Designed for 24/7 mission critical applications
- Assembled and tested within a lean ISO 9001 manufacturing environment

## Dimensions



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# Impact-R 4040S

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.

## Specifications

Hardware Specification	Impact-R 4043S – Intel® Core™ i7-4770S (8M Cache, 3.9GHz) Impact-R 4042S – Intel® Core™ i5-4570S (6M Cache, 3.6GHz) Chipset: Intel® Q87 Express Memory: 2GB DDR3 (maximum 32GB 1333/1600MHz) Video: Intel® HD Graphics Display Resolution: DVI-I/VGA @ 1920*1200 @ 60Hz HDMI @ 4096*2304 @ 24Hz, or 2560*1600 @ 60Hz LAN: 2 x RJ45 (Intel® i210 and Intel® i217LM)	Reliability	System MTBF: >25,000 hrs. @ 25°C Diagnostic burn-in run on every system
BIOS	AMI 64Mbits SPI BIOS	Humidity	5 to 90% at 25°C non-condensing
Storage	2.5" 160GB HDD SATA - 7200RPM DVDRW Total drive capacity: 2 x 2.5" + 1 x 5.25"	Electromagnetic Compatibility (EMC)	EN55022 Class A EN55024 Industrial severity (where applicable)
System Expansion	2 PCIe x16 - 1 PCIe x16 (Gen 3) - 1 PCIe x1 (Gen 2) 1 PCIe x4 (Gen 2) 1 PCIe x1 (Gen 2)		Electrostatic discharge immunity test (EN61000-4-2) ±4kV Contact, applied to enclosure port ±8kV Air, applied to enclosure port ±4kV Indirect, applied to coupling plane
System Architecture	Micro ATX Motherboard		Radiated, radio-frequency, electromagnetic field immunity test (EN61000-4-3) 80-1000MHz, 10 V/m (RMS, no modulation) 80% Modulation with 1kHz Sine wave
Supported O/S	Microsoft: - Windows Embedded Standard 7 E/P (x86/x64) - Windows 7 (x86/x64) - Windows 8/8.1 (x86/x64) Linux - Kernel 3.x  *If your desired Operating System is not listed or you wish to check for a specific Linux distribution, please contact us.		Electrical fast transient/burst immunity test (EN61000-4-4) Power port AC, inc. protective earth Severity ±2kV
LED's and Switches	Power (PC on) LED Hard Disk Drive access LED ATX system control switch System reset switch		Surge Immunity test (EN61000-4-5) Power port AC Severity ±2kV applied line to line Severity ±2kV applied line to earth
External Interfaces	1 miniDIN for PS/2 keyboard/mouse 4 USB3.0/2.0/1.1 ports 4 USB2.0/1.1 ports (2 Front, 2 Rear) 2 DB9 RS232/422/485 serial ports (RS232 and/or power) 1 HDMI port 1 DVI-I port 2 RJ45 ports Line In, Line Out, MIC In		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
iAMT	Out-of-band system access Remote troubleshooting and recovery Hardware-based agent presence checking Proactive alerting Remote hardware and software asset tracking		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 Color: Black (Standard), Beige or Custom Dimensions: 483(W) x 177(H) x 302(D)mm (19" x 7" x 11.9") Package Size: 605(W) x 340(H) x 545(D)mm (23.8" x 13.4" x 21.4") Cooling Units: 2x92mm(51CFM each) & 2x60mm(23.5CFM each) Gross Weight: 12.1 kg		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 operation	Vibration: 0.25g sine sweep @ 1 octave per minute from: 10 to 500Hz (longitudinal)* Shock: 10G 1/2 sine 11ms* * Higher levels are achievable by use of an SSD, or ruggedized hard drive. Acoustic noise: 49dB(A) sound pressure at 23°C (typical) Temperature: 5 to 45°C (tested for extended operation up to 50°C) Humidity: 5 to 90% at 25°C non-condensing Low noise fan options are available (maximum operating temperature 35°C) We can design systems to meet additional requirements		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.
Environmental storage	Temperature: 20 to 65°C Humidity: 5 to 90% at 25°C non-condensing	Safety	Safety of information technology equipment (EN 60950) CE Marked
		Electrical Ratings	Voltage: 90 ~ 264 VAC full range Frequency: 47-63Hz Input current: 8.0 / 4.0A for 115 / 230 VAC Inrush current: 65A / 125A max Typical operational current: 0.5 ~ 1A (base system) PSU maximum secondary loading: 460W Active PFC EMI noise filter Over power / voltage / current protection Short circuit protection Higher rated and DC power supply options are available We recommend that you discuss your power requirements before placing your order.

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