

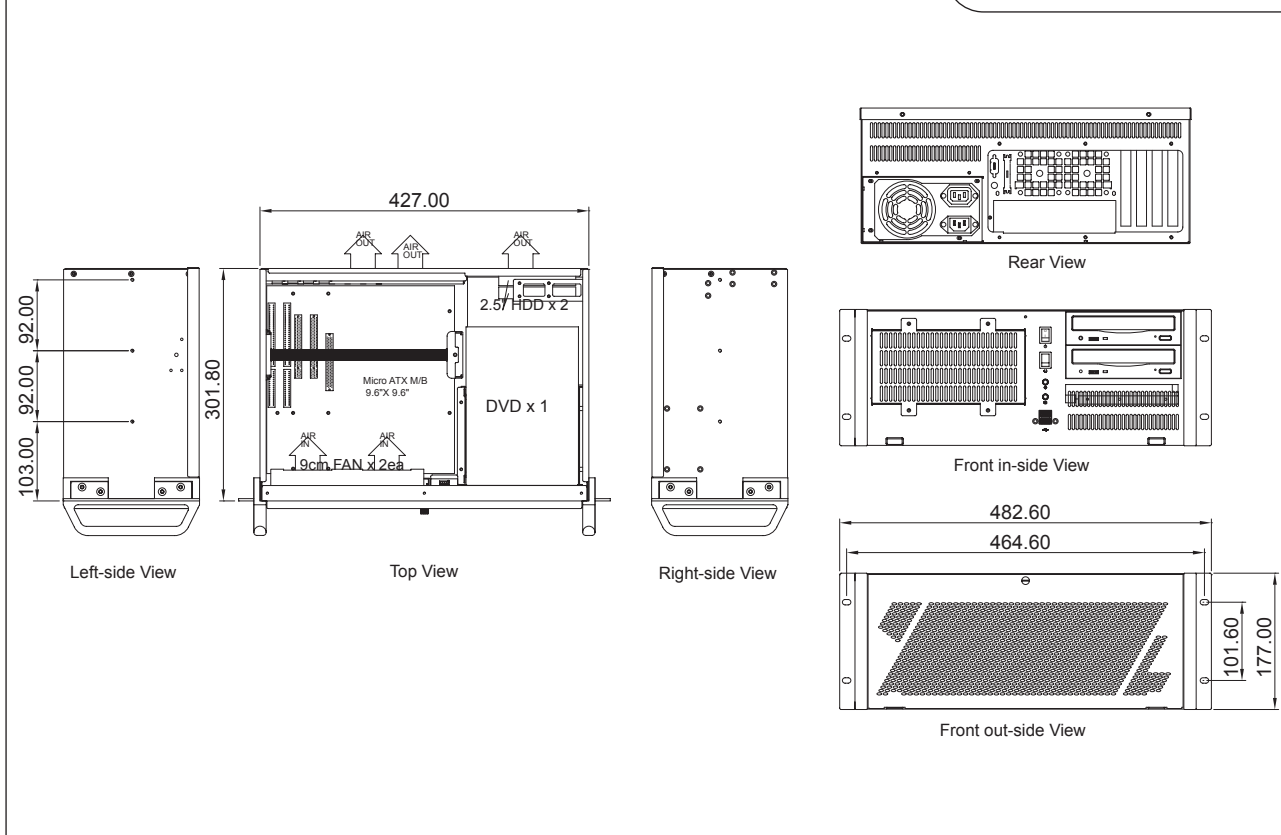
# Impact-R 4040S



## 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



# Impact-R 4040S

## 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	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.