

Impact-R 156/157

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® LGA1151 6th/7th generation Core™ i7/i5/i3, Pentium™ and Celeron™</p> <p>Chipset: Intel® Q 170 Chipset</p> <p>Memory: 2 x 288-pin Long-DIMM dual channel DDR4-2133, up 32 GB</p> <p>LAN: Dual Intel® GbE (i219LM/i211AT)</p>	Electromagnetic Compatibility (EMC)	<p>EN55022 Class A</p> <p>EN55024 Industrial severity (where applicable)</p> <p>Electrostatic discharge immunity test (EN61000-4-2)</p> <p>±4kV Contact, applied to enclosure port</p> <p>±8kV Air, applied to enclosure port</p> <p>±4kV Indirect, applied to coupling plane</p> <p>Radiated, radio-frequency, electromagnetic field immunity test (EN61000-4-3)</p> <p>80-1000MHz, 10 V/m (RMS, no modulation)</p> <p>80% Modulation with 1kHz Sine wav</p> <p>Electrical fast transient/burst immunity test (EN61000-4-4)</p> <p>Power port ac, inc. protective earth</p> <p>Severity ±2kV</p> <p>Surge Immunity test (EN61000-4-5)</p> <p>Power port ac</p> <p>Severity ±2kV applied line to line</p> <p>Severity ±2kV applied line to earth</p> <p>Immunity to conducted disturbances induced by radio frequency fields (EN61000-4-6)</p> <p>Power port ac, inc. protective earth via CDN M3</p> <p>0.15-80MHz, 10 V/m (no modulation) 80% Modulation with 1kHz Sine wave, applied via CDN type M3</p> <p>Voltage dips, short interrupts and voltages variations immunity tests (EN61000-4-11) Power port ac</p> <p>>95% Reduction, 0.5 Periods</p> <p>>30% Reduction, 25 Periods</p> <p>>95% Reduction, 250 Periods</p> <p>Limits for harmonic current measurement (EN 61000-3-2), Product Class A</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>
Storage	<p>Total Drive capacity:</p> <p>2 x 2.5" HDD & 1 x slim DVD</p> <p>*Options for mSATA available</p>		
System Expansion	<p>3 full height PCIe (x16, x8, 4)*¹</p> <p>1 x mPCIe (FL)</p> <p>1 x SIM card slot</p>		
System Architecture	<p>Industrial use mini-ITX motherboard</p>		
Supported O/S * ²	<p>Windows 7, Windows 8.1, Windows 10 (32 & 64 bit)</p>		
External Interfaces	<p>Front:</p> <p>2 x USB 2.0/1.1</p> <p>On/Off Switch, Reset</p> <p>Pwr/HDD LEDs</p> <p>Rear:</p> <p>4 x USB 3.0</p> <p>1 x DP, 1 x HDMI, 1 x VGA</p> <p>2 x Intel GbE RJ45</p> <p>1 x RS232/422/485 DB9</p> <p>1 x RS232 CB9</p> <p>2 Stack Audio</p>		
Mechanical	<p>Design: Compact desktop / wallmount (brackets supplied)</p> <p>Construction: Heavy duty cold rolled electroplated steel</p> <p>Colour: Black / Silver (custom colours available for large orders)</p> <p>Dimensions: 350 x 89 x 337mm (13.8" x 3.5" x 13.3")</p> <p>Packaging size: 460 x 220 x 450 mm (18.1" x 8.7" x 17.7")</p> <p>Cooling : 2x(60mm = 23.5CFM ea.) Fans</p> <p>Gross weight: 5.8 kgs / 12.8 lbs</p>	Safety	<p>Safety of information technology equipment (EN 60950)</p>
Environmental operation	<p>Acoustic noise: Approximately 46dBA sound pressure at 23°C (typical)</p> <p>Temperature: 0 to 45°C (tested for extended operation up to 50°C)</p> <p>Humidity: 5 to 90% at 25°C non-condensing</p>	Electrical Ratings	<p>Voltage: 100 – 240 VAC full range</p> <p>Frequency: 47 – 63Hz</p> <p>Input current: 6.0 / 3.0A for 47Hz / 63Hz</p> <p>PSU maximum secondary loading: 300W*</p> <p>(+3.3V and +5V combined load should not exceed 110W)</p> <p>Active PFC</p> <p>Over power / voltage / current / temperature protection</p> <p>Short circuit protection</p> <p>*Higher rated and DC power supply options are available. We recommend that you discuss your power requirements before placing your order.</p>
Environmental storage	<p>Temperature: -20 to 65°C</p> <p>Humidity: 5 to 90% at 25°C non-condensing</p>	Reliability	<p>System MTBF: Critical components failure >45,000 hrs @ 25°C (we can provide information for specific configurations)</p> <p>Full burn-in diagnostic run on every system</p>

*¹ PCIe lanes are dynamically spread over the 3 slots

*² Skylake CPU only. KabyLake will support Windows 10 64bit only