

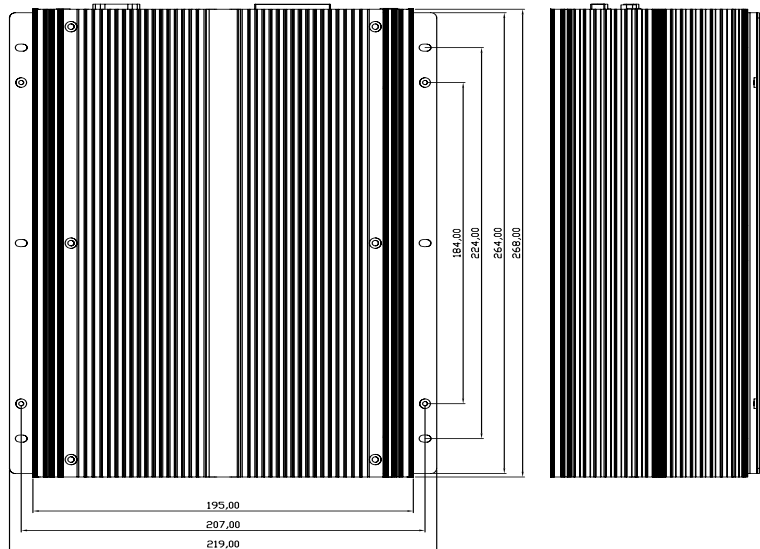
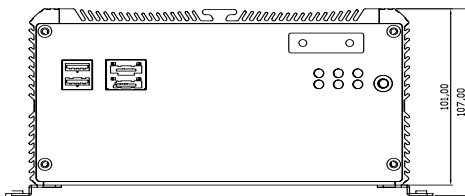
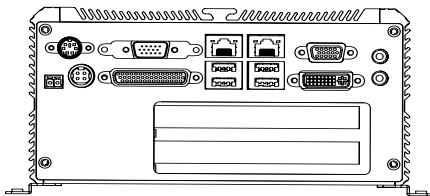
# Impact-E 72



## Features

- Fanless embedded computer
- Intel Core i5, i7 mobile processor Support
- Dual PCI card expansion
- Constructed from roadmapped industrial components
- Integrated remote management (iAMT 6.0)
- Compact size, wall mountable
- -5°C to +50°C operating temperature
- Assembled and tested within a lean manufacturing environment under ISO 9001

## Dimensions



## Impact-E 72

## 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.

<b>Hardware specification</b>	<p>Processors incorporated into each model:                  Impact-E 72 – Celeron Mobile P4500 1.86GHz, 2M cache                  Impact-E 72-i5 – Intel Core i5 520M 2.4GHz, 3M smart cache                  Impact-E 72-i7 – Intel Core i7 620M 2.66GHz, 4M smart cache</p> <p>Chipset: Intel QM57                  Main memory: 1GB DDR3 1066 , dual channel (maximum 4GB*)                  Video: Intel HD Graphics                  Display Resolution: VGA up to 2048 x 1536 @ 75Hz with 32-bit colour, DVI-D display up to 1900 x 1200 @ 60 Hz with 32 bit Colour                  LAN: 2 ports as 10/100/1000Mbps support Wake-on-LAN, PXE Boot ROM, iAMT 6.0                  Watchdog timer: 255 levels, 1~255 seconds                  Hardware Monitor: Supports CPU temperature, system temperature and power failure</p> <p>* Usable memory capacity may limited by the operating system.</p>	<b>Environmental storage</b>	Temperature: -20 to 80°C Humidity: 5 to 90% at 25°C non-condensing
<b>BIOS</b>	AMI BIOS	<b>Electromagnetic compatibility (EMC)</b>	EN55022 Class B EN55024 :
<b>Storage</b>	160GB Rugged SATA HDD 5400rpm (solid state drive options also available) 2 x eSATA ports for additional direct attached external storage  We can provide storage and backup solutions for any application	Electrostatic discharge immunity test (EN61000-4-2) Enclosure port ±4kV Contact, applied to enclosure port ±8kV Air, applied to enclosure port	Radiated, radio-frequency, electromagnetic field immunity test (EN61000-4-3) Enclosure port 80-1000MHz, 3 V/m (RMS, no modulation) 80% Modulation with 1kHz Sine wave
<b>System expansion</b>	2 PCI (max. length 169mm with HDD installed)	Electrical fast transient/burst immunity test (EN61000-4-4) Power port ac, inc. protective earth Severity ±1kV	Surge Immunity test (EN61000-4-5) Power port ac Severity ±1kV applied line to line Severity ±2kV applied line to earth
<b>Supported OS (Operating System)</b>	Windows XP, Windows XP Embedded, Windows 7 x86 and x64, Windows 7 Embedded and Linux (Kernel 2.4.6). If your desired operating system is not listed or you wish to check support for a specific version of Linux, please contact us.	Immunity to conducted disturbances induced by radio frequency fields (EN61000-4-6) Power port ac, inc. protective earth via CDN M3 0.15-80MHz, 3 V/m (no modulation) 80% Modulation with 1kHz Sine wave, applied via CDN type M3	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
<b>Interfaces</b>	Front : USB 2.0 : 2 Ports eSATA : 2 Ports  Rear : USB 2.0 : 4 Ports Mouse / Keyboard : Shared PS/2 Serial : 1 x DB44 Serial Port for 4 x RS232 (COM2: RS232/422/485 with auto flow control). Ethernet : 2 x RJ45 10/100/1000 Ethernet Audio : 1 x Line out, 1 x Mic In Display : 1 x VGA DB-15, 1 x DVI-H GPIO : 1 x DB15-M (4 x digital-input, 4 x digital-output) Power Input : (9-30VDC) External Power Switch Connection : 2-Pin	Power Frequency magnetic field (EN 61000-4-8): 1 A/m(r. m.s)@50Hz	FCC Tested for compliance to 47 CFR, Part 2, Part 15 Subpart B:2005  Amplicon own a fully equipped EMC facility and can provide many additional tests to meet your requirements.
<b>LEDs and switches</b>	Power (PC ON) LED Hard disk access LED Front: ATX system control switch 2 x LAN status LED (Link / Activity)	<b>Safety</b>	External PSU (EN 60950), CE Marked
<b>Mechanical</b>	Design: Fanless embedded box Construction: Heavy duty aluminium Colour: Black (custom colours available for large orders) Dimensions: 195mm(W) x 268mm(D) x 100mm(H) Cooling: Fanless heat pipe technology Gross weight: approximately 6.8kg	<b>Reliability</b>	System MTBF: > 66649hrs @ 25°C (BellCore) Diagnostic burn-in run on every system
<b>Environmental operational</b>	Acoustic noise: -0dBA with solid state drive option Temperature: -5°C to +50°C (with SSD) Temperature: +5°C to +50°C (with HDD) Humidity: 5 to 93% at 25°C non-condensing Please contact us to discuss extended or harsher environmental specifications	<b>Electrical ratings</b>	System DC Input : 9 – 30VDC  (External Power Supply) Input voltage: 110-230V Output voltage: 19VDC PSU maximum secondary loading: 120W Active PFC EMI noise filter Over power / voltage / current protection Short circuit protection  Typical System Power: i7 56W Operational 20W Standby  Celeron 46W Operational 19W Standby

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