

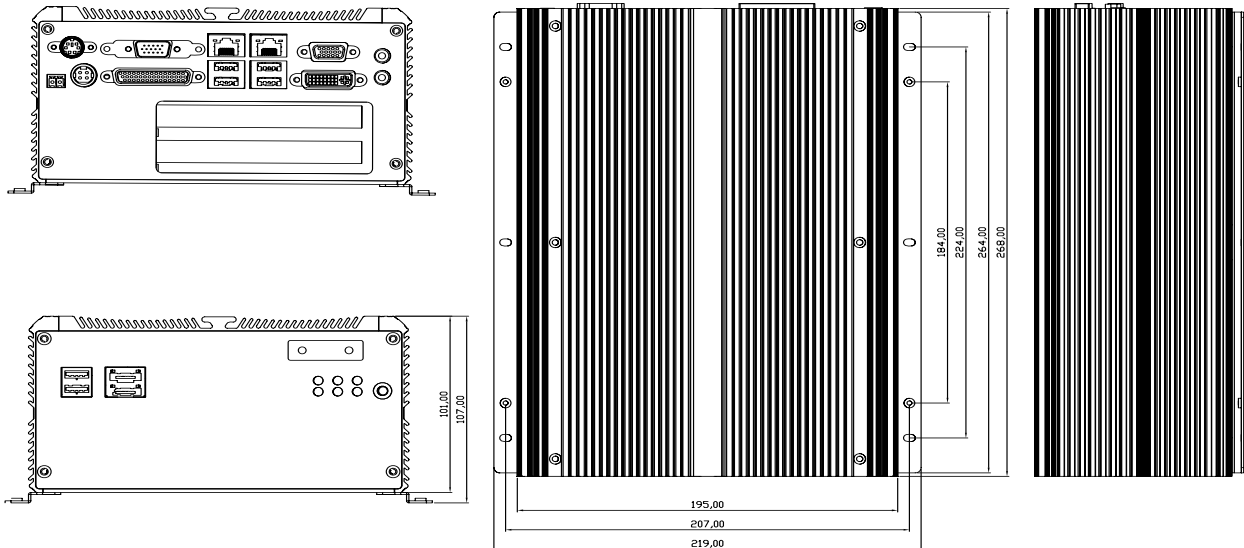
Impact-E 73



Features

- Fanless embedded computer
- Intel Core i5, i7 mobile processor Support
- PCI and PCIe 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



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Impact-E 73

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>Processors incorporated into each model: Impact-E 73 – Celeron Mobile P4500 1.86GHz, 2M cache Impact-E 73-i5 – Intel Core i5 520M 2.4GHz, 3M smart cache Impact-E 73-i7 – Intel Core i7 620M 2.66GHz, 4M smart cache</p> <p>Chipset: Intel QM57 Main memory: 2GB DDR3 1333Mhz , 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>	Environmental storage	Temperature: -20 to 80°C Humidity: 5 to 90% at 25°C non-condensing
BIOS	AMI BIOS	Electromagnetic compatibility (EMC)	EN55022 Class B EN55024 : Electrostatic discharge immunity test (EN61000-4-2) Enclosure port ±4kV Contact, applied to enclosure port ±8kV Air, applied to enclosure port ±4kV Indirect, applied to coupling plane 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 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 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 Power Frequency magnetic field (EN 61000-4-8): 1A/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.
Storage	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	Safety	External PSU (EN 60950), CE Marked
System expansion	1 PCI and 1 PCIe x 1 (max. length 169mm with HDD installed)	Reliability	System MTBF: > 66649 @ 25°C (BellCore) Diagnostic burn-in run on every system
Supported OS (Operating System)	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.	Electrical ratings	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
Interfaces	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	Mechanical	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
LEDs and switches	Power (PC ON) LED Hard disk access LED Front: ATX system control switch 2 x LAN status LED (Link / Activity)	Environmental operational	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

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