

## Impact-E 300



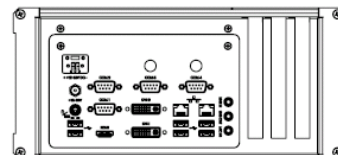
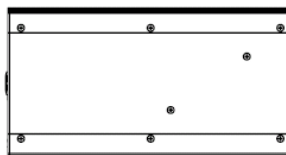
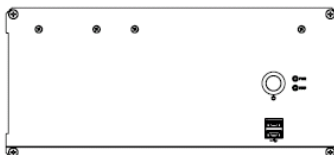
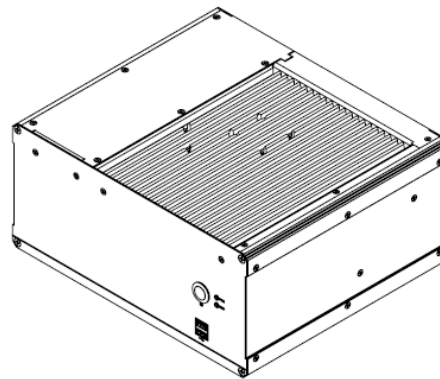
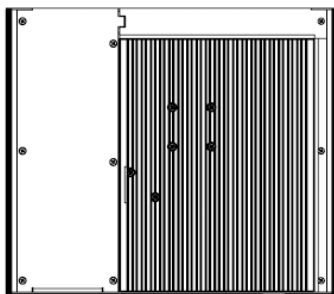
### Features

The Impact-E 300 is a compact, low power embedded system, utilising Intel® 3rd Generation mobile iCore™ processing technology

Key features:-

- Low power consumption
- High end processing power
- Compact custom design
- 3 slot expansion system

### Dimensions



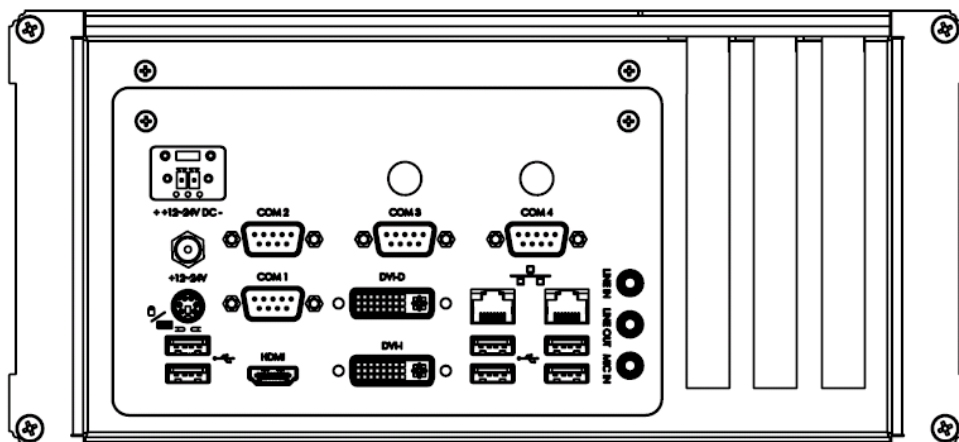
## Impact-E 300

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 specifications	CPU: Intel® iCore™ i5-3610ME Main memory: 2GB SODIMM DDR3 1333MHz (max: 16GB 1600MHz) Chipset: Intel® QM77 PCH LAN: Dual integrated 10/100/1000 network connection	Mechanical	Design: Rugged compact embedded design Cooling: Fanless design Construction: Extruded Aluminum Colour: Black/Silver Dimension: 290 x 132 x 250 mm (W x H x D) Weight: 3.6Kg
BIOS	AMI BIOS	Environmental operation	Acoustic noise: Near silent operation Operating Temperature: 0°C to 55°C Humidity: 0 to 90% non-condensing
Storage	Total drive capacity:- 2 x 2.5" SATA SSD/HDD	Environmental storage	Temperature: -20°C to 70°C Humidity : 5% to 90% @ 20°C
System expansion	1 x PCIe x16 rev 3.0 2 x PCIe x1 rev 2.0 1 x mPCIe half length (PCIe and USB signal)	Electromagnetic compatibility (EMC)	EN 55022 Class A EN 55024 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, 10 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 ±0.5kV  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  Amplicon own a fully equipped EMC facility and can provide many additional tests to meet your requirements.
System architecture	Mini ITX form factor motherboard		
Supported O/S	Windows XP, Windows 7, Windows 8 (32 bit/64 bit) Microsoft Server: Server 2008 R2, Server 2012		
General Interfaces	4 x USB 3.0 ports, 4 x USB 2.0 2 x RJ45 LAN 1 x DVI-I, 1 x DVI-D, 1 x HDMI (1920 x 1200) 1 x PS/2 (keyboard and Mouse) 4 x DB9 COM ports (2 x RS232/422/485, 2 x RS232) 1 x Line-In/Surround, 1 x Line Out, 1 x MIC In/Center + Subwoofer		
Display	Max resolution: 1920 x 1200 (per port)		
LED and switches	Power (PC on LED) Hard disk access LED ATX system control switch		
Main board power options	Supports DC input voltage +12-25VDC		

## Rear I/O plate



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