

Impact-E 57



Features

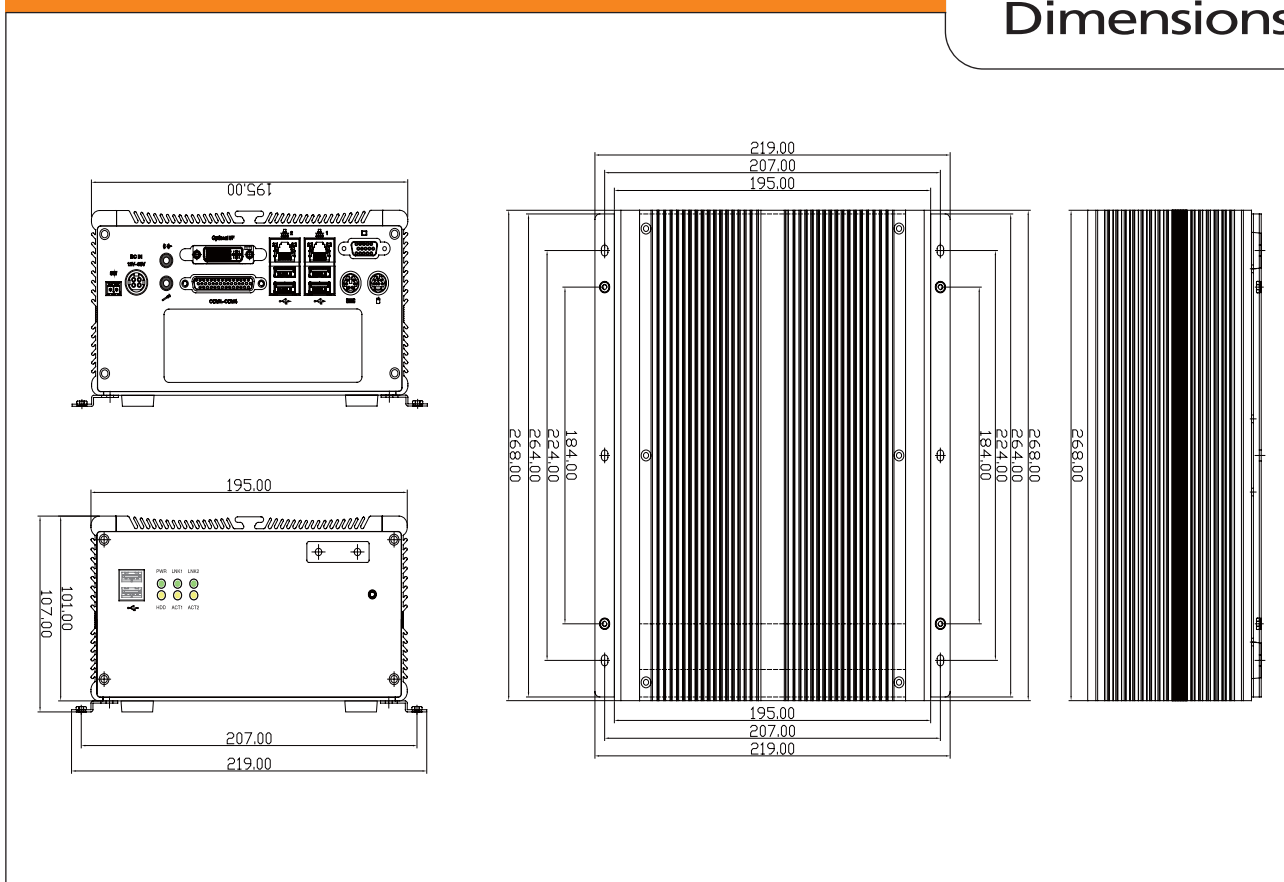
The **Impact-E 57** has been developed to act as a rugged, small form factor PC platform for DVR, NVR and ANPR applications.

The addition of a 40 x 40mm fan for active cooling allows the unit to operate 24/7 with the most processor intensive video capture boards installed in the system's 2 x PCI slots. An Intel Core Duo M processor and 2GB of RAM as standard provides high performance from a very compact system.

Tests carried out in conjunction with Axis UK have defined the system as capable of recording up to 12 streams of MJPEG or MPEG4 video from IP cameras or video servers.

Whether your system requires an analogue, IP or hybrid video system, the Impact-E57 has the flexibility to do the job.

Dimensions



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Impact-E 57

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 Core Duo M T2500, 2.0GHz, 667MHz FSB, 2MB cache Main memory: 2 x 1GB 240-pin DIMM DDR2 667 SDRAM Upgradeable to: Up to 3 GB Chipset: Intel 945GME and Intel 82801 GBM (ICH7-M) LAN: Marvell 88E8053 Gigabit LAN x 2 Watchdog timer: Watchdog timeout can be programmed by software from 1 second / minute to 128 seconds / minutes RTC: On chip with battery backup</p>	Mechanical	<p>Design: Rugged compact embedded design Cooling: 40 x 40 mm fan, 29dB, 12VDC, dual ball bearing Construction: Heavy duty aluminium Colour: Black (custom colours available for large orders) Dimensions: 195(W) x 107(H) x 268(D) mm Packaging dimensions: 310(W) x 240(H) x 360(D) mm Gross weight: Approximately 4.7kg Packaged gross weight: Approximately 6.8kg</p>
Display	<p>Intel 945GME integrated graphics memory controller hub (GMCH) DB15 CRT VGA connector x 1 DVI-D 12-bit Chronitel 7307 Interface connector x 1</p>	Environmental operational	<p>Acoustic noise: Near silent operation Temperature: 5 to 45°C (with 2.5" HDD), 0 to 50°C (with CompactFlash card or solid state drive) Humidity: 10 to 90% at 25°C non-condensing</p>
BIOS	<p>Award System BIOS 4 Mbits flash ROM Plug & Play support Advanced Power Management</p>	Environmental storage	<p>Temperature: -20 to 80°C Humidity: 5 to 90% at 25°C non-condensing</p>
System options	<p>Impact-E 57 - 160GB: With 160GB Rugged HDD, 2GB RAM Impact-E 57 - 8GB: With 8GB Solid state drive, 2GB RAM</p>	Electromagnetic compatibility (EMC)	<p>EN55022 Class A EN55024 Industrial severity (where applicable)</p>
Storage	<p>Fujitsu 2.5" Rugged extended duty 160GB SATA HDD, 8 MB Cache, 5400 RPM* *Industrial grade CompactFlash cards, solid state drives and other storage / backup solutions are available on request</p>		<p>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</p>
System expansion	<p>2 x PCI slot (1 x 240mm length, 1 x 160mm length with 2.5" HDD installed, or 240mm without 2.5" HDD installed) PCI V2.2 Compliant NB: The Impact-E 57 supports -12V PCI cards in one PCI slot only, not both.</p>		<p>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</p>
Supported OS (Operating System)	<p>Windows Vista, Windows XP Embedded, Windows XP, Windows 2000 (available via Windows XP Pro downgrade rights), Windows 7, Linux Red Hat If your desired operating system is not listed, please contact us</p>		<p>Electrical fast transient/burst immunity test (EN61000-4-4) Power port ac, inc. protective earth Severity ±1kV</p>
Interfaces	<p>Front: 2 x USB 2.0 1 x Power (PC ON) LED 1 x Hard disk access LED 2 x LAN status LEDs (2 x link and activity status) 1 x ATX power on/off unlock switch 1 x 40 x 40mm active fan Rear: 4 x USB 2.0 1 x 6-pin Mini-DIN for PS/2 Keyboard 1 x 6-pin Mini-DIN for PS/2 Mouse 4 x Serial Ports: 1 x DB 44-pin connector broken out by cable to convert the 4 COM ports. COM 2 supports RS 232 / 422 / 485, selectable by switch. COM4 Pin-9 reserved for 12 V or 5 V output (set by jumper). 1 x Audio-out 1 x Mic-in 1 x DVI-D interface 2 x RJ45 10/100/1000 Ethernet LAN 1 x VGA connector 1 x DC power input 1 x 2-pin connector for remote power on/off switch 2 x Cooling vents 2 x PCI slots Internal: 1 x CompactFlash socket (internal access) 1 x 2.5" hard disk drive or solid state drive (SATA interface)</p>		<p>Surge Immunity test (EN61000-4-5) Power port ac Severity ±1kV applied line to line Severity ±2kV applied line to earth</p>
Main board internal interface details (Not available on the chassis panels)	<p>On-board pin header for IrDA Tx - Rx Digital I/O: 4-bit TTL input, 4-bit TTL output (TTL level: 0 - 5V) On-board buzzer</p>	Safety	<p>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 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.</p>
Main board power input details	<p>Supports DC input voltage from +12 V to + 30 V DC (120W maximum) Power input connector: Mini-DIN 4-pin power connector Reserved ATX function for remote power on / off control</p>	Reliability	
External power adaptor	<p>Power input: 100 - 240V AC, 2A, 50 - 60 Hz Power Rating: 120W Voltage output: 19V DC</p>	<p>System MTBF: >101,802 hrs @ 45°C (not including storage device) CompactFlash cards have a finite number of write-erase cycles, and their life is highly dependant upon the operating system and application software. Full burn-in diagnostic run on every system</p>	
		20-11-08	

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