

# Impact-C Client / Desktop PC



## Features

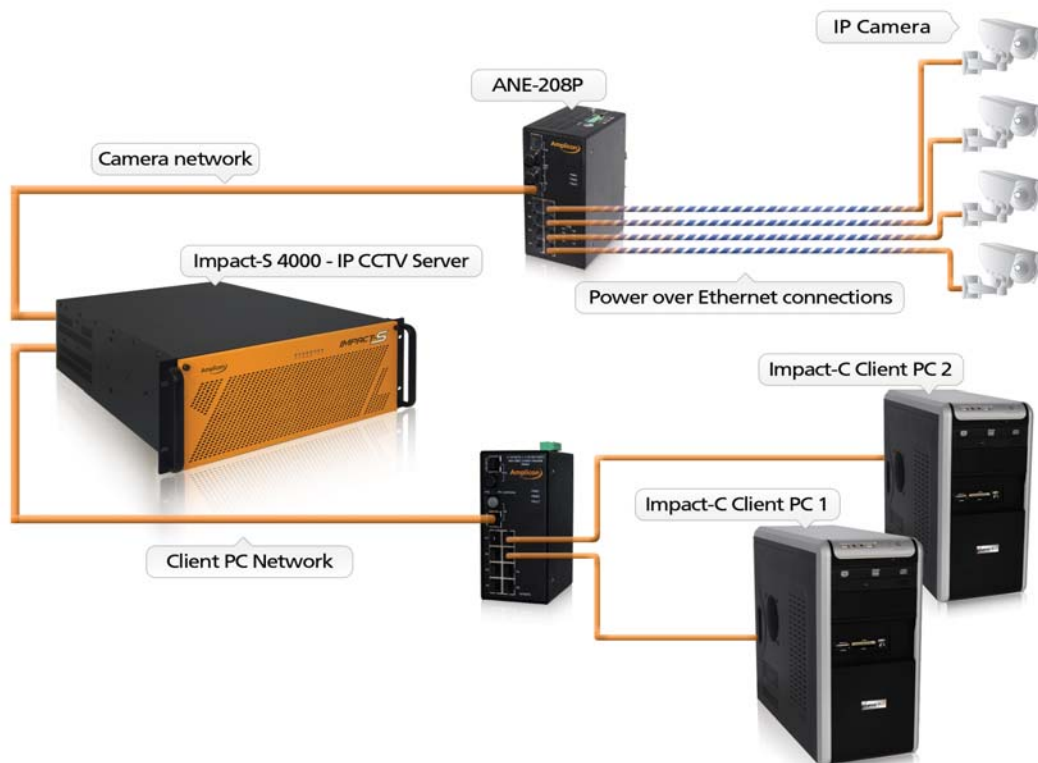
The **Impact-C client / desktop PC** is a low cost tower PC system designed for use in office and non-industrial environments. The unit is built from high quality components and is manufactured in the UK to exacting quality standards.

The system ships with a keyboard and mouse and has Windows 7 pre-installed. Up to 4 PCI or PCIe slots are available for addition of expansion cards.

Impact-C is designed to be used as a client PC for IP CCTV, Building Automation and other distributed applications.

## Application

IP CCTV system with Impact-C operating as client PC / workstation



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## 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	CPU: Intel Pentium Dual-Core E3300, 2.5GHz, 800MHz, 1MB cache Main memory: 1GB DDR2 800MHz RAM	Electromagnetic compatibility (EMC)	EN55022 Class A EN55024 Industrial severity (where applicable)
Storage	160GB SATA HDD DVDRW 5 in 1 Flash Card drive Total drive capacity: 2 x 5.25", 2 x 3.5" HDD		Electrostatic discharge immunity test (EN61000-4-2) ±4kV Contact, applied to enclosure port ±8kV Air, applied to enclosure port ±4kV Indirect, applied to coupling plane
System expansion	2 PCI 1 PCI Express x 1 1 PCI Express x 16		Radiated, radio-frequency, electromagnetic field immunity test (EN61000-4-3) 80-1000MHz, 10 V/m (RMS, no modulation) 80% Modulation with 1kHz Sine wave
System architecture	Micro-ATX motherboard		Electrical fast transient/burst immunity test (EN61000-4-4) Power port ac, inc. protective earth Severity ±2kV
BIOS	Award System BIOS Plug & Play support Advanced Power Management & Advanced Configuration & Power Interface Support		Surge Immunity test (EN61000-4-5) Power port ac Severity ±2kV applied line to line Severity ±2kV applied line to earth
Supported OS (Operating System)	Windows 7 (with downgrade option to XP Professional)		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 type M3
Internal interfaces	SATA: Serial ATA Ports, bandwidth 300 MB/s x 4 IDE HDD: Ultra ATA100/66/33, 40 pin connector x 1 Floppy: 34-pin connector x 1		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
LEDs and switches	Power (PC ON) LED Front: ATX system control switch, system reset  Rear: System ON / OFF power switch		Voltage dips, short interrupts and voltages variations immunity tests (EN61000-6-2) Power port ac >30% Reduction, 0.5 Periods >60% Reduction, 25 Periods >100% Reduction, 250 Periods
External interfaces	Front: USB2.0: front x 2 Mic port: front x 1 Line-in: front x 1 5-in-1 Flash card reader (MS / MS Duo, CF / MD, USB 2.0, SD / MMC, SM / xD)  Rear: USB2.0: rear x 4 Serial: COM1 x 1 Parallel x 1 VGA: DB-15 connector x 1 Keyboard mini-DIN x 1 Mouse mini-DIN x 1 Audio: 3 channel rear audio LAN: 1 x RJ45 Ethernet 10/100/1000Mbps port		Limits for harmonic current measurement (EN 61000-3-2), Product Class D  Limitation of voltage changes, voltage fluctuations and flicker (EN 61000-3-3)  Amplicon own a fully equipped EMC facility and can provide many additional tests to meet your requirements.
Mechanical	Design: Desktop or tower PC Colour: Black (custom colours available for large orders) Dimensions: 180(W) x 375(H) x 435(D) mm (7.1" x 14.8" x 17.1") Packaging size: 530(W) x 400(H) x 590(D) mm (20.9" x 15.7" x 23.2") Gross weight: approximately 9kg Packaged gross weight: approximately 12kg		Safety
Environmental storage	Temperature: -20 to 65°C Humidity: 5 to 90% at 25°C non-condensing	Electrical ratings	Voltage: ~230 VAC PSU maximum secondary loading: 300W

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