

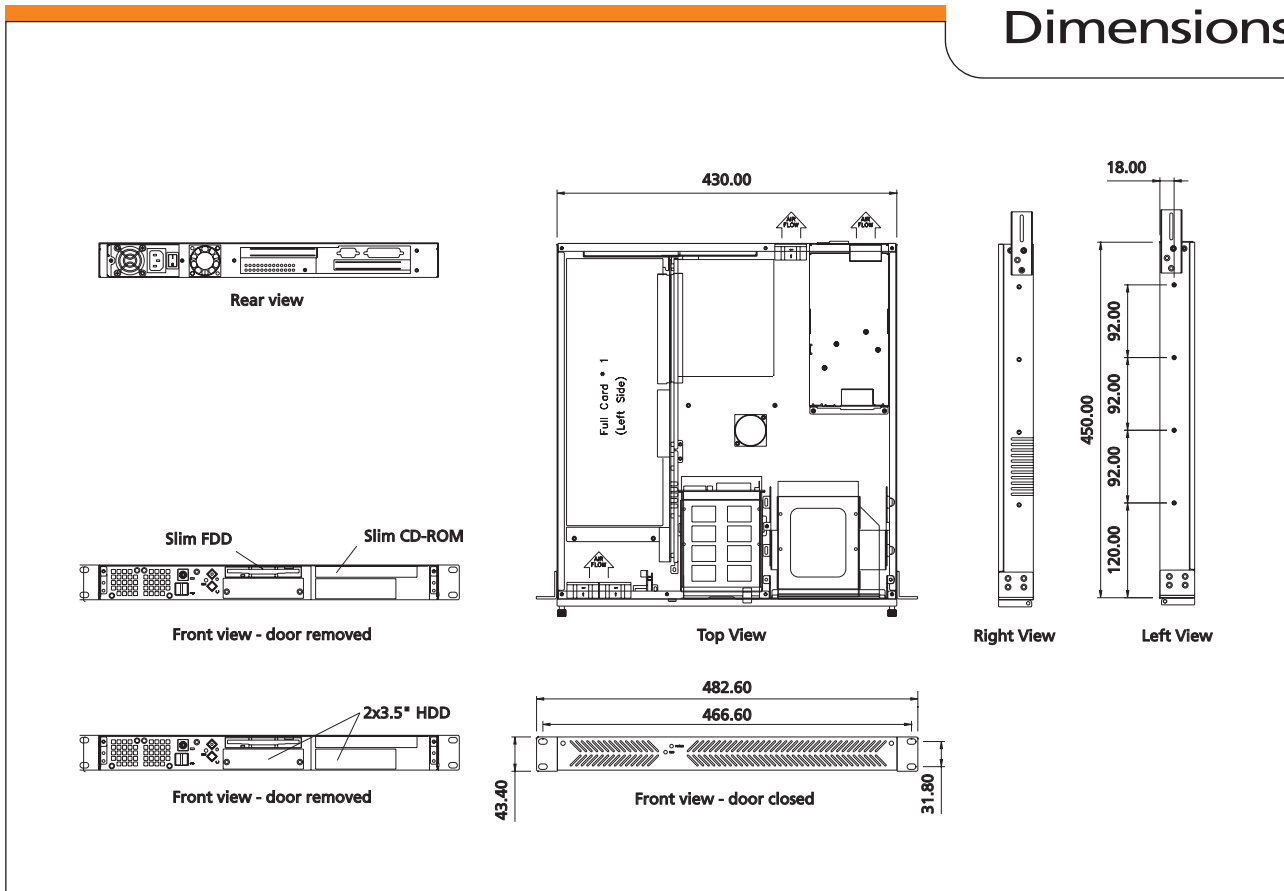
Ventrix 1007/8/9 PICMG 1.0



Features

- 3 year warranty, first year onsite (UK Customers Only)
- Custom colours and OEM branding service available
- PICMG 1.0 backplane offers two PCI card expansion slots
- Constructed from roadmapped industrial components
- Designed for mission critical 24/7 applications
- Assembled and tested within a lean manufacturing environment under ISO 9001

Dimensions



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Specifications

The information is believed to be accurate. However Amplicon Limited accepts no responsibility for any problems caused by errors and omissions. Specifications are subject to change without notice.

Hardware specification	Processors incorporated into each model: Ventrix 1007-P2.0- Intel Celeron Dual Core E1500 LGA775, 2.20GHz, 800MHz, 512KB cache Ventrix 1008-P2.0- Intel Core 2 Duo E7400 LGA775, 2.80GHz, 1066MHz, 3MB cache Ventrix 1009-P2.0- Intel Core 2 Quad Q9400 LGA775, 2.66GHz, 1333MHz, 6MB cache Chipset: Intel G41+ICH7 Main memory: 2GB DDR3 1333MHz, dual channel (maximum 4GB*) Video: Intel G41 GMCH integrated graphic engine Display Resolution: VGA up to 2048 x 1536 @ 75Hz with 32-bit colour LAN: 2 ports as 10/100/1000Mbps support Wake-on-LAN, PXE Boot ROM with Intel 82574L Watchdog timer: 255 levels, 1-255 seconds Hardware Monitor: CPU temperature, system temperature, power failure and fan speed <small>* Usable memory capacity may be limited by the operating system.</small>	Electromagnetic compatibility (EMC)	EN55022 Class A EN55024 Industrial severity (where applicable) 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 Radiated, radio-frequency, electromagnetic field immunity test (EN61000-4-3) 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 ±2kV Surge Immunity test (EN61000-4-5) Power port AC Severity ±2kV 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, 10 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 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 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.
BIOS	Award BIOS	Safety	Safety of information technology equipment (EN 60950) CE Marked
Storage	250GB SATA HDD 7200rpm DVDRW drive Total drive capacity: 1 x DVDWR, 1 x 3.5" HDD, 1 x slim 3.5" FDD We can provide storage and backup solutions for any application	Electrical ratings	Voltage: 90 ~ 264 VAC full range Frequency: 47 ~ 63Hz Input current: 6.0 / 3.0A for 115 / 230 VAC Inrush current: 60 / 80A max for 115 / 230 VAC PSU maximum secondary loading: 300W Typical Power 150W (unexpanded) Active PFC Power factor >0.96 at full load Over power/voltage/current protection Short circuit protection Higher rated and DC power supply options are available. We recommend that you discuss your power requirements before placing your order
System expansion	2 x PCI slots (195mm length) *One card slot must be sacrificed if COM2 is required on a rear bracket.	Reliability	System MTBF: >25,000 hrs @ 25°C Diagnostic burn-in run on every system
System architecture	Full-sized SBC with PCI / ISA golden finger PICMG 1.0 (Rev 2.0) Compliant PCI V2.2 Compliant		
Supported OS (Operating System)	Windows XP, Windows Vista, Windows 7 and Linux. If your desired operating system is not listed or you wish to check support for a specific version of Linux, please contact us.		
Internal interfaces	USB 2.0: 6 ports, through 1x6 JST Serial port: 2 ports, with 2x5 box header (2.0mm), supports RS232 only Parallel port: 1 port, with 2x13 box-header (2.0mm) PS2: 1 x 6 -pin JST connector (2.0mm) for KB/Mouse Fan: 4-pin wafer for CPU; 3-pin wafer for System; 3-pin wafer for MCH 2-pin header for SMB; 2-pin header for reset; 2-pin header for power on switch 2-pin header for power LED; 2-pin header for HDD LED 1 x IDE with 40-pin header 1 x Floppy with 34-pin header		
LEDs and switches	Power (PC ON) LED Hard disk access LED Front: ATX system control switch, system reset Rear: System ON/OFF power switch		
External interfaces	1 x DB15 VGA connector 2 x RJ45 GbE port 1 x PS2		
Mechanical	Design: EIA RS-310C 19" Rackmount Standard Construction: Heavy duty cold rolled electroplated steel Colour: Black (custom colours available for large orders) Dimensions: 483(W) x 44(H) x 450(D) mm (19" x 1.7" x 17.7") Packaging size: 615(W) x 179(H) x 600(D) mm (24.2" x 7.0" x 23.6") Cooling: 3 x 40mm fan, 7 CFM each Gross weight: approximately 8kg		
Environmental operational	Acoustic noise: 53dBA sound pressure at 23°C (typical) Temperature: 5 to 35°C (tested for extended operation up to 50°C) Humidity: 5 to 90% at 25°C non-condensing We can design systems to meet additional requirements		
Environmental storage	Temperature: -20 to 65°C Humidity: 5 to 90% at 25°C non-condensing		

Model	PCIe slots	PCI slots	Processor
Ventrix 1007-P2.0	0	2	Intel Celeron Dual Core E1500, 2.20GHz
Ventrix 1008-P2.0	0	2	Intel Core 2 Duo E7400, 2.80GHz
Ventrix 1009-P2.0	0	2	Intel Core 2 Quad Q9400, 2.66GHz

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