

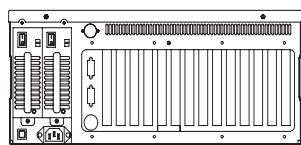
Ventrix 4033/34 PICMG 1.0



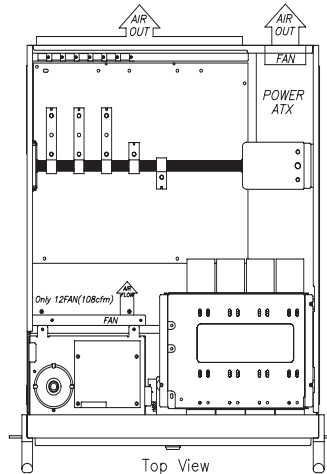
Features

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

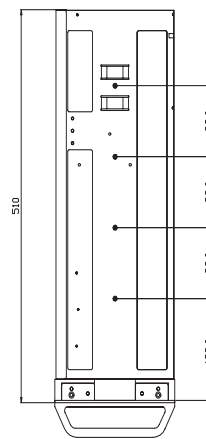
Dimensions



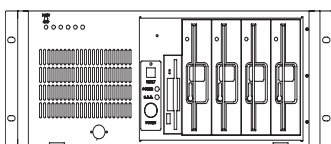
Rear view



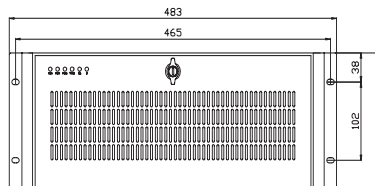
Top View



Right-side View



Front in-side view



Front out-side view

Configuration shown is for illustration purposes only

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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 specification	Processors incorporated into each model: Ventrix 4033-P4.8 – Intel® Core™ i5-3550S, LGA1155, 3.0GHz, 6MB cache Ventrix 4034-P4.8 – Intel® Core™ i7-3770, LGA1155, 3.4GHz, 8MB cache Ventrix 4033-P12.2 – Intel® Core™ i5-3550S, LGA1155, 3.0GHz, 6MB cache Ventrix 4034-P12.2 – Intel® Core™ i7-3770, LGA1155, 3.0GHz, 6MB cache Chipset: Intel® B75 Memory: Dual DIMM (maximum 16GB DDR3) LAN: Dual Intel® GbE (82579LM/82574L)	Environmental storage	Temperature: -20 to 65°C Humidity: 5 to 90% at 25°C non-condensing
BIOS	AMI System BIOS	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.
Storage	SATA HDD 7200rpm DVD RW Total drive capacity: 4 x 5.25" + 1 x 3.5" floppy disk drive We can provide storage and backup solutions for any application	Safety	Safety of information technology equipment (EN 60950) CE Marked
System expansion	Ventrix 4033 / 4034-P4.8 - 4 PCI (full length) and 6 ISA slots (250mm length) Ventrix 4033 / 4034-P12.2 - 10 PCI (7 x 250mm length, 3 full length) Additional slots can be made available by reducing I/O ports, such as serial, parallel and USB.	Electrical ratings	Voltage: 90 – 264 VAC full range Frequency: 47–63Hz Input current: 8.0 / 4.0A for 115 / 230 VAC Inrush current: 65A / 125A max Typical operational current: 0.5 – 1A (base system) PSU maximum secondary loading: 460W Typical Power 150W (unexpanded) Active PFC EMI noise filter 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 architecture	Full-sized SBC with PCI / ISA golden finger PICMG 1.0 (Rev 2.0) Compliant PCI V2.2 Compliant	Reliability	System MTBF: >25,000 hrs @ 25°C Diagnostic burn-in run on every system
Supported OS (Operating System)	Windows XP, Windows 7, Windows 10, Windows Server *If your desired operating system is not listed, or you wish to check support for a specific Linux distribution, please contact us.		
Internal interfaces	USB 2.0: 4 ports via 2.5mm JST USB 3.0: 2 ports via I/O bracket 2 ports via JST Serial: 4 ports via 2*5 box header (COM1/3/4: RS232 COM2: RS232/422/485) Parallel: 1 port via 2*13 box header		
LEDs and switches	Power (PC ON) LED Hard disk access LED Front: ATX system control switch system reset		
External interfaces	Front: USB 2.0: 2 ports Front keyboard: Mini-DIN Rear: USB 3.0: 2 ports Serial: COM 1 & COM2 Parallel: LPT DB25 VGA: DB15 LAN: Dual RJ45		
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 177(H) x 510(D) mm (19" x 7" x 20.1") Packaging size: 600(W) x 345(H) x 690(D) mm (23.6" x 13.6" x 27.2") Cooling: 1 x 120mm fan, 108 CFM Air filter: removable (washable) Gross weight: approximately 20kg		
Environmental operational	Vibration: 0.25g sine sweep @ 1 octave per minute from: 10 to 500Hz (longitudinal)* Shock: 10G 1/2 sine 11ms* * Higher levels are achievable by use of an SSD, or ruggedized hard drive. Acoustic noise: 49dB(A) sound pressure at 23°C (typical) Temperature: 5 to 45°C (tested for extended operation up to 50°C) Humidity: 5 to 90% at 25°C non-condensing Low noise fan options are available (maximum operating temperature 35°C) We can design systems to meet additional requirements		

Model	PCI slots	ISA slots	Processor
Ventrix 4033 P4.8	4	6	Intel® Core™ i5 3550S, 3.0GHz
Ventrix 4034 P4.8	4	6	Intel® Core™ i7 3770, 3.4GHz
Ventrix 4033 P12.2	10	0	Intel® Core™ i5 3550S, 3.0GHz
Ventrix 4034 P12.2	10	0	Intel® Core™ i7 3770, 3.4GHz

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IT and Instrumentation for industry

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