

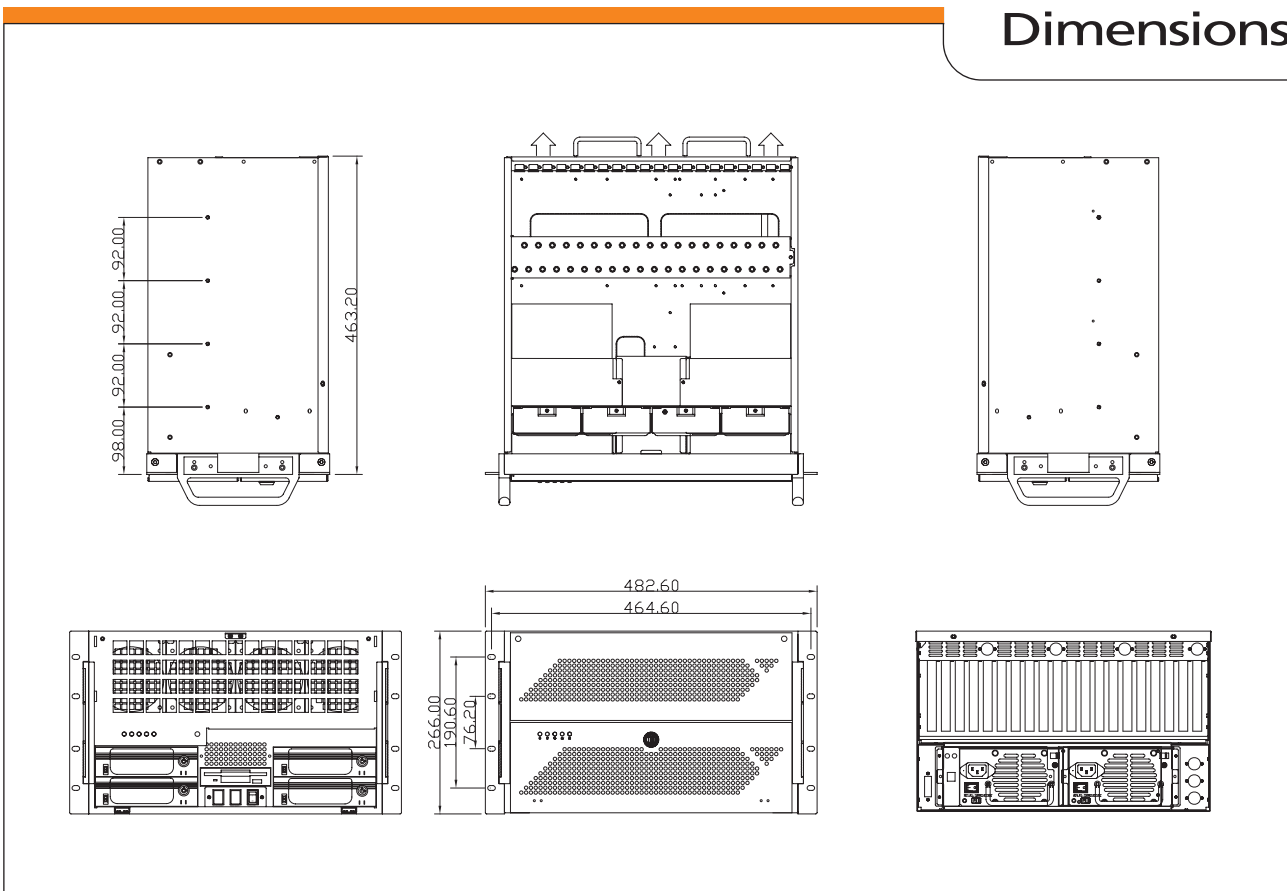
Ventrix 6033/34 PICMG 1.0



Features

- 3 year warranty, first year onsite (UK Customers Only)
- Custom colours and OEM branding service available
- PICMG 1.0 backplanes offer excellent 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



Ventrix 6033/34 PICMG 1.0

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	Processors incorporated into each model: Ventrix 6034-P18.1, 18PCI, Intel® Core™ i7-3770 3.4GHz Ventrix 6033-P18.1, 18PCI, Intel® Core™ i5-3550S 3.0GHz Chipset: Intel® B75 PCH Main memory: 2GB DDR3 1333Mhz, dual channel (maximum 16GB*) Video: Intel® HD integrated graphic engine LAN: 2 ports as 10/100/1000Mbps support Wake-on-LAN, PXE Boot ROM Watchdog timer: 255 levels, 1-255 seconds Hardware Monitor: CPU temperature, system temperature, power failure and fan speed * Usable memory capacity may be limited by the operating system.	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. Amplicon own a fully equipped EMC facility and can provide many additional tests to meet your requirements.
Storage	1 x 3.5" Western Digital hard disk drive 1 x DVDRW Total drive capacity: 4 x 5.25", 2 x 3.5"		
System expansion	17 PCI (16 x full length, 1 x 180mm) We have a wide range of PCI, ISA and multi-segment 20-slot backplanes available. Additional slots may be freed up by not fitting single board computer I/O brackets		
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 7 32 and 64 bit If your desired operating system is not listed or you wish to check support for a specific version of Linux, please contact us.		
LEDs and switches	Power (PC ON) LED Hard disk access LED Front: ATX system control switch, system reset, alarm reset		
External interfaces	1 x DB15 VGA connector 2 x RJ45 GbE port 2 x PS2 (via breakout) 6 x USB (2 x USB 3.0, 4 x USB 2.0)		
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 267(H) x 463(D) mm (19" x 10.5" x 18.2") Packaging size: 610(W) x 418(H) x 647(D) mm (24.0" x 16.5" x 25.5") Cooling: 4 x 90mm fan, 90 CFM each Air filter: removable (washable) Gross weight: approximately 28kg		
Environmental operational	Acoustic noise: 47dBA sound pressure at 23°C (typical) Temperature: 5 to 45°C Humidity: 5 to 90% at 25°C non-condensing Please contact us to discuss extended or harsher environmental specifications		
Safety	Safety of information technology equipment (EN 60950) CE Marked		
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		
Reliability	System MTBF: >25,000 hrs (we can provide information for specific configurations) Four hour burn-in diagnostic run on every system		

Model	PCIe slots	PCI slots	Processor
Ventrix 6034	0	17	Intel® Core™ i7-3770 3.4GHz
Ventrix 6033	0	17	Intel® Core™ i5-3550S 3.0GHz

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