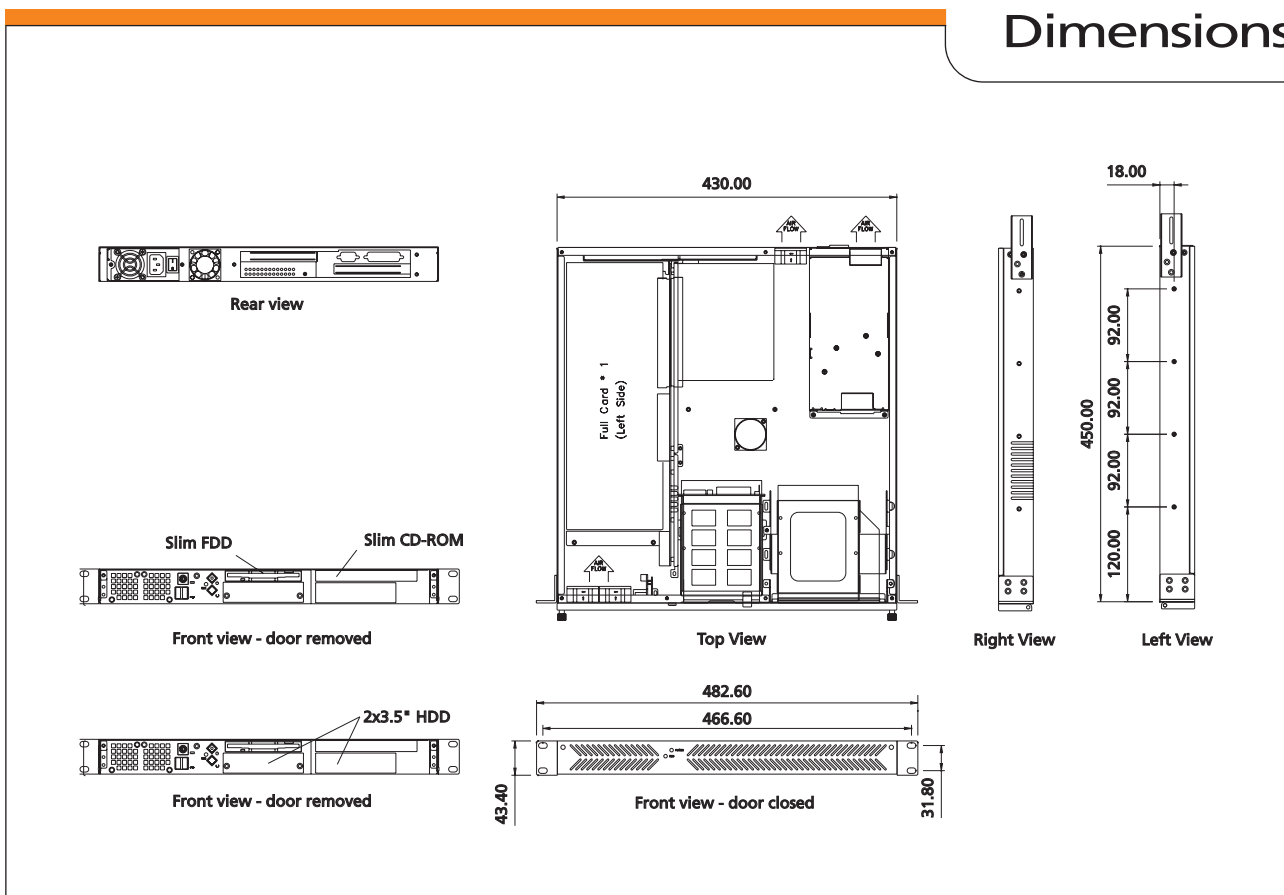# Ventrix 1033/34 PICMG 1.0

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

Rear view

Slim FDD   **Slim CD-ROM**

Front view - door removed

2x3.5" HDD

Front view - door removed

430.00

Full Card • 1 (Left Side)

Top View

18.00

92.00
92.00
92.00
92.00
120.00

450.00

Right View   **Left View**

482.60
466.60
43.40
31.80

Front view - door closed

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Ventrix 1033/34 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 1033-P2.0 – Intel® Core™ i5-3550S, LGA1155, 3.0GHz, 6MB cache Ventrix 1034-P2.0 – Intel® Core™ i7-3770, LGA1155, 3.4GHz, 8MB cache Chipset: Intel® B75 Memory: Dual DIMM (maximum 16GB DDR3) LAN: Dual Intel® GbE (82579LM/82574L)
BIOS	AMI System BIOS
Storage	SATA III 3.5" HDD DVD Drive *We can provide storage and backup solutions for any application
System expansion	2 x PCI slots (195mm length) *One card slot must be sacrificed if COM2 is required on a rear bracket
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)	TBC *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 l 2 ports via JST Serial: 4 ports via 2*5 box header (COM1/3/4: RS232 l 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 Rear: System ON/OFF power switch

External interfaces	Front: USB 2.0: 2 ports
	              Front keyboard: Mini-DIN
	
	Rear: USB 3.0: 2 ports
	            Serial: COM 1* (RS232) DB9
	            Parallel: LPT DB25
	            VGA: DB15
	            LAN: Dual RJ45
	   *COM1 can be changed to COM2 which supports RS232/422/485

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

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.
Safety	Safety of information technology equipment (EN 60950) CE Marked
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
Reliability	System MTBF: >25,000 hrs @ 25°C Diagnostic burn-in run on every system

Model	PCIe slots	PCI slots	Processor
Ventrix 1033-P2.0	0	2	Intel® Core™ i5 -3550S, 3.0GHz
Ventrix 1034-P2.0	0	2	Intel® Core™ i7 -3770, 3.4GHz

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