

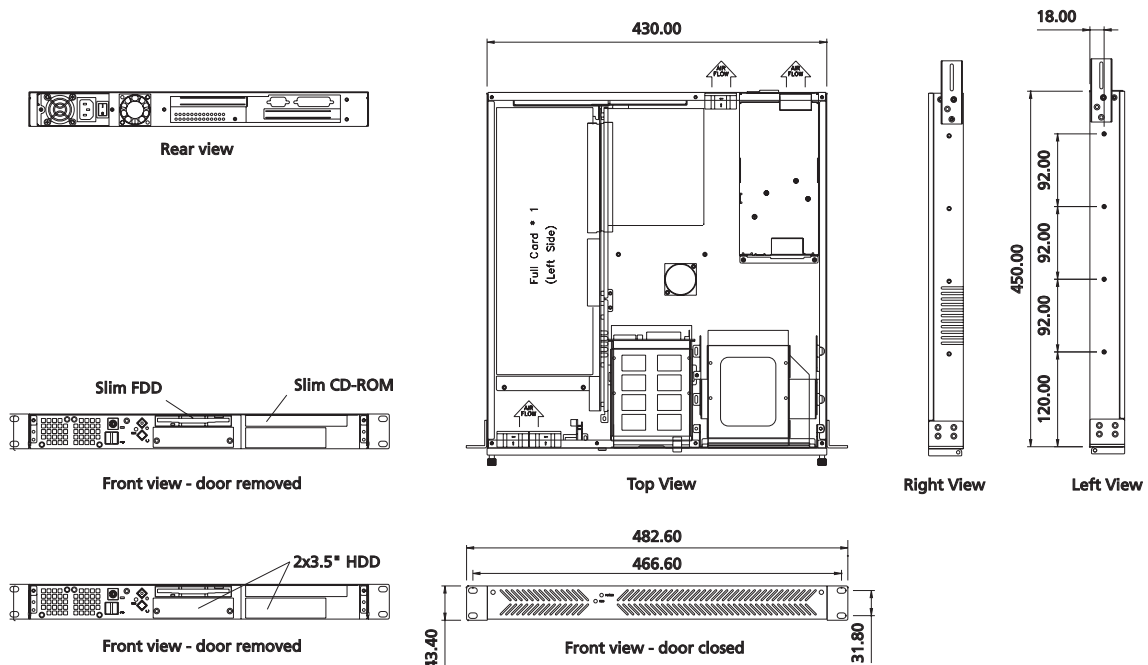
Ventrix 1033/34 PICMG 1.0



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



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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 | 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) | 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 | AMI System BIOS | Safety | Safety of information technology equipment (EN 60950) CE Marked |
| Storage | SATA III 3.5" HDD DVD Drive *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) | 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 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 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 | | |

| 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 |