

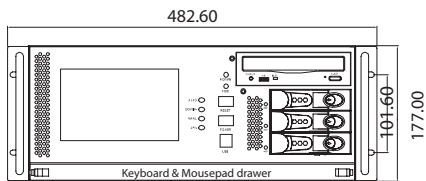
Ventrix-W 4000 PICMG 1.0/1.3



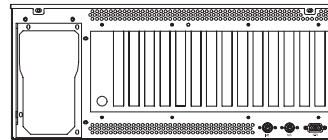
Features

- 3 year warranty, first year onsite (UK Customers Only)
- Quality retractable Cherry keyboard + trackball
- Clear 7" display
- Designed for mission critical 24/7 operation
- Assembled and tested within a lean manufacturing environment under ISO 9001

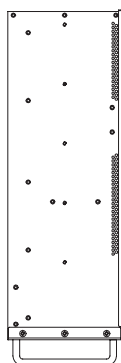
Dimensions



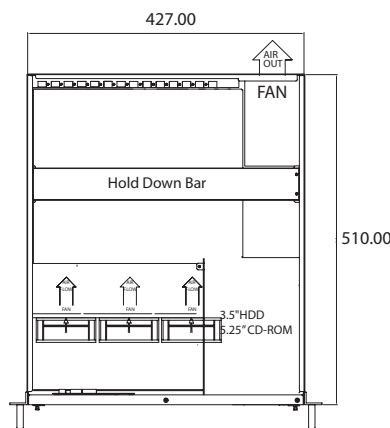
Front out-side view



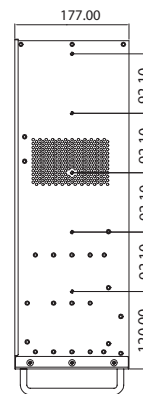
Rear out-side view



Left-side View



Top View



Right-side View

Configuration shown is for illustration purposes only

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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	<p>Processors incorporated into each model: Ventrix-W 4007-P4.8, 4007-P12.2 Intel Celeron Dual Core E1500 LGA775, 2.20GHz, 800MHz, 512KB cache Ventrix-W 4008-P4.8, 4008-P12.2 Intel Core 2 Duo E7400 LGA775, 2.80GHz, 1066MHz, 3MB cache Ventrix-W 4009-P4.8, 4009-P12.2 Intel Core 2 Quad Q9400 LGA775, 2.66GHz, 1333MHz, 6MB cache Ventrix-W 4017-E5.7 Intel Celeron Dual Core E1500 LGA775, 2.20GHz, 800MHz, 512KB cache Ventrix-W 4018-E5.7 Intel Core 2 Duo E7400 LGA775, 2.80GHz, 1066MHz, 3MB cache Ventrix-W 4019-E5.7 Intel Core 2 Quad Q9400 LGA775, 2.66GHz, 1333MHz, 6MB cache Chipset: Intel G41 + ICH7 (Ventrix-W 4007/8/9) Chipset: Intel Q45 + ICH10 DD, supports RAID 0, 1, 10 and 5 (Ventrix-W 4017/8/9) Main memory: 2GB DDR3 1333MHz, dual channel (maximum 4GB*) Video: Intel G41 GMCH integrated graphic engine (Ventrix-W 4007/8/9) Video: Intel Q45 GMCH GMA4500 Integrated Graphics engine (Ventrix-W 4017/8/9) 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: Supports CPU temperature, system temperature, power failure and fan speed * Usable memory capacity may be limited by the operating system.Bios</p>	LEDs and switches	Power (PC ON) LED Hard disk access LED Front: ATX system control switch, system reset												
TFT panel	Screen size: 7.0 inch (diagonal) Adjustment: Brightness, contrast and RGB picture via on-screen display (OSD) Aspect Ratio: 16:9 Input Signal: RK-070-13: VGA (Analogue RGB only) Number of Pixels: 800 (H) x RGB x 480 (V) Pixel Pitch: 0.1905 x 0.1905 mm Active Area: 152.4 (H) x 91.44 (V) View Angle (U / D / L / R): 100 (V), 140 (H) Brightness: 220 nits Contrast Ratio: 400 Response Time: 30 msec Lamp Life: 15,000 hrs	External interfaces	<table border="0"> <tr> <td>Ventrix-W 4007/8/9</td> <td>Ventrix-W 4017/18/19</td> </tr> <tr> <td>1 x DB15 VGA connector</td> <td>1 x VGA DB-15 connector</td> </tr> <tr> <td>2 x RJ45 GbE port</td> <td>2 x RJ45 Gigabit Ethernet LAN port</td> </tr> <tr> <td>1 x PS2</td> <td>1 x PS/2 Keyboard/Mouse</td> </tr> <tr> <td>1 x IDE with 40-pin header</td> <td></td> </tr> <tr> <td>1 x Floppy with 34-pin header</td> <td></td> </tr> </table>	Ventrix-W 4007/8/9	Ventrix-W 4017/18/19	1 x DB15 VGA connector	1 x VGA DB-15 connector	2 x RJ45 GbE port	2 x RJ45 Gigabit Ethernet LAN port	1 x PS2	1 x PS/2 Keyboard/Mouse	1 x IDE with 40-pin header		1 x Floppy with 34-pin header	
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Supported graphics modes	Resolution: 800 (H) x 480 (V) (Recommended display mode) Other modes are available, but may not be full screen or centred correctly.	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: 591(W) x 340(H) x 688(D) mm (23.3" x 13.4" x 27.1") Total drive capacity: 1 x 5.25" + 3 x 3.5" HDD Caddy (SATA, SAS & SCSI320 available) Cooling: 3 x 92mm fan, 51 CFM each Gross weight: approximately 20kg												
Keyboard	Manufacturer: Cherry Integrated, high-quality 16 mm trackball Number of keys: 84 (European version), 83 (US version) Extremely flat design Keycaps arranged in 18 mm grid High reliability Gold Crosspoint contacts MTBF: >134,000 hours Individual keys have long service life: approx. 20 million key operations	Environmental operational	Acoustic noise: Approximately 49dBa sound pressure at 23°C (typical) Temperature: 0 to 45°C (tested for extended operation up to 50°C) Humidity: 5 to 90% at 25°C non-condensing												
BIOS	Award BIOS	Environmental storage	Temperature: -20 to 65°C Humidity: 5 to 90% at 25°C non-condensing												
Storage	250GB HDD 7200rpm DVDRW Total drive capacity: 1 x 5.25" + 3 x 3.5" HDD Caddies (SATA, SAS & SCSI320 available) We can provide storage and backup solutions for any application	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.												
System expansion	Ventrix-W 4007/8/9-P4.8 : 4 PCI (full length) and 6 ISA slots (250mm length) Ventrix-W 4007/8/9-P12.2 : 10 PCI (7 x 250mm length, 3 full length) Ventrix-W 4017/18/19-E5.7: 7 PCI (4 x 250mm length, 3 full length) 3 x PCIe X4, 1 x PCIe X16 (Graphics Only) Additional slots may be freed up by not fitting single board computer I/O brackets	Safety	Safety of information technology equipment (EN 60950) CE Marked												
System architecture finger	Full-sized SBC with PCIe / PCI / ISA golden PICMG 1.0 (Rev 2.0) Compliant / PICMG 1.3 Compliant PCI V2.2 Compliant	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												
Supported OS (Operating System)	Windows XP, Windows Vista, Windows 7 32/64Bit 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.	Reliability	System MTBF: >25,000 hrs* (we can provide information for specific configurations) Four hour burn-in diagnostic run on every system *Excludes TFT backlight life of 15,000 hrs												
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 Ventrix-W 4017/18/19 USB 2.0: 4 ports (4 on board, 4 to backplane) Serial port: 2 port, with 2x5pin headers (COM 1 and COM 2) SATA HDD: 6 ports, Support RAID 0/1/5/10 and Intel® Matrix Storage Technology (Intel® MST) (4 on board, 2 to backplane) Parallel port: 1 x 26-pin connector Floppy: 1 x 34-pin connector IrDA: 1 x 5-pin header GPIO: Supports 4 sets general purpose I/O each with TTL level (5 V) interface On-board buzzer x 1 Power LED/Power On/ Reset/ SMBUS HDD Active LED/ PC speaker: 2 x 8 pin header 5-pin for key lock 1 x 4-pin fan connector (for CPU); 2 x 3-pin fan connectors (for System) IPMB interface through PICMG 1.3 Golden-finger															

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