

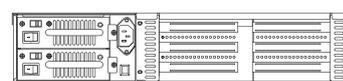
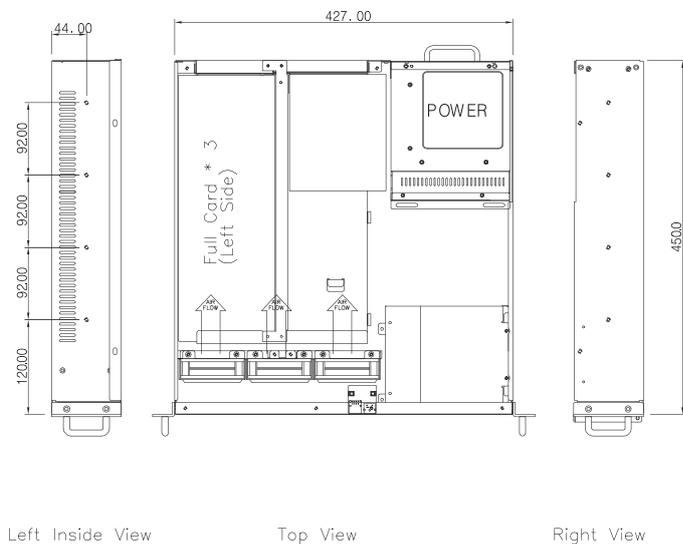
# Ventrix 2060 Series



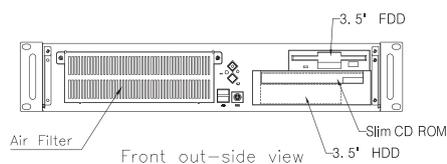
## Features

- Intel® 6th Generation Processor
- Intel® AMT 11 support
- PCIe revision 3.0 support
- Road map industrial components
- Mission critical 24/7 applications
- Custom colours and OEM branding (optional)
- Assembled and tested under ISO9001

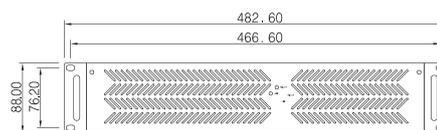
## Dimensions



Rear out-side view



Front out-side view



Front in-side view

Configuration shown is for illustration purposes only

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# Ventrix 2060 Series

## 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.

<p>Hardware Specification</p>	<p>CPU: Intel® LGA 1151 6th Generation Core™ Processors                  Chipset: Q170                  RAM: 2 x 288 pin DDR4 2133MHz un-buffered (up to 32GB*)                  Video: Intel® HD Graphics (530)                  Display Resolution:                  WDT: 225 levels, 1~255 sec.</p> <p>*Usable memory capacity may be limited by the Operating System</p>	<p>Electromagnetic Compatibility (EMC)</p>	<p>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                  &gt;95% Reduction, 0.5 Periods                  &gt;30% Reduction, 25 Periods                  &gt;95% Reduction, 250 Periods                  Voltage dips, short interrupts and voltages variations immunity tests (EN61000-6-2)                  Power port AC                  &gt;30% Reduction, 0.5 Periods                  &gt;60% Reduction, 25 Periods                  &gt;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.</p>
<p>BIOS</p>	<p>AMI uEFI BIOS</p>		
<p>Storage</p>	<p>500GB SATA HDD                  DVDRW (standard height)                  Total drive capacity: 1 x 5.25" x 1 x 3.5" FDD / HDD (standard) or 1 x Slim DVDRW, 2 x 3.5" HDD                  We can provide storage and backup solutions for any application</p>		
<p>System Expansion</p>	<p>2 PCI (1 x full length, 1 x 180mm length),                  1 x PCI Express x1 (240mm length)                  1 x PCI Express x16 (240mm length) for graphics card only</p>		
<p>Supported O/S</p>	<p>Microsoft Windows 7/8.1/10 (32/64-bit)                  Linux</p> <p>*Other Operating System available on request</p>		
<p>Internal Interfaces</p>	<p>1 x PS/2 breakout (for Keyboard and Mouse)                  1 x RS232/422/485 (Software selectable)*                  5 x RS232*                  6 x SATA III (RAID support 0/1/5/10)                  1 x Audio HD                  4 x USB 2.0</p> <p>*Via DB9 breakout</p>		
<p>LEDs and Switches</p>	<p>Power (PC On) LED                  Hard disk access LED                  Front: ATX system control switch, System reset</p>		
<p>External Interfaces</p>	<p>Front:                  USB: 2 ports                  Front keyboard: Mini-DIN for (keyboard only)</p> <p>Rear:                  USB: 2 x USB 3.0 ports on faceplate                  Serial: COM 1~4* (9 pin D-Type)                  DVI connector x 1                  LAN: RJ45 Ethernet x 2</p> <p>*Additional rear I/O can be broken out with breakout cables. Please discuss your requirements.</p>	<p>Safety</p>	<p>Safety of information technology equipment (EN 60950)                  CE Marked</p>
<p>Mechanical</p>	<p>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 88(H) x 450(D) mm (19" x 3.5" x 17.7")                  Packaging size: 630(W) x 248(H) x 574(D) mm (24.8" x 9.8" x 22.6")                  Cooling: 3 x 80mm fan, 42.5 CFM each                  Air Filter: removable (washable)</p>	<p>Electrical Ratings</p>	<p>Voltage: 90 ~ 264 VAC full range                  Frequency: 47~63Hz                  Input current: 8.0 / 4.0A for 115 / 230 VAC                  Inrush current: 80A max                  PSU maximum secondary loading: 400W*                  Active PFC                  EMI noise filter                  Over power / voltage / current protection                  Short circuit protection</p> <p>*Higher rated and DC power supply options are available. We recommend that you discuss your power requirements before placing your order.</p>
<p>Environmental</p>	<p>Operation:                  Acoustic noise: 47dBA sound pressure at 23°C (typical)                  Temperature: 0 to 40°C (tested for 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</p> <p>* Thermally controlled system fans run at peak operating speed during system start up. Speed is reduced based system temperature.</p> <p>Storage:                  Temperature: -20 to 65°C</p>	<p>Reliability</p>	<p>MTBF calculation available on request</p>

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