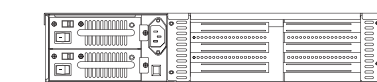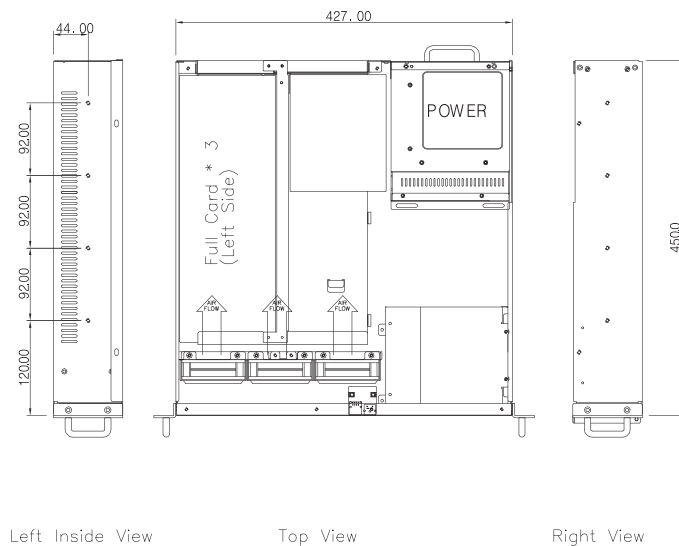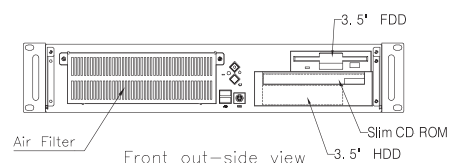# Ventrix 2060 Series

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)
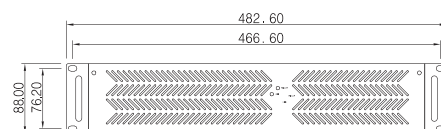
- Assembled and tested under ISO9001

Dimensions

44.00

92.00

92.00

92.00

120.00

427.00

POWER

Full Card * 3
(Left Side)

AIR FLOW

450.0

Rear out-side view

3.5' FDD

Slim CD ROM

Air Filter

Front out-side view

3.5' HDD

Left Inside View

Top View

Right View

482.60

466.60

88.00

76.20

Front in-side view

Configuration shown is for illustration purposes only

AmpliconFrance.com

**PC Industriels et Instrumentation
pour l'industrie**

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Ventrix 2060 Series

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.

Specifications

Hardware Specification	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. *Usable memory capacity may be limited by the Operating System
BIOS	AMI uEFI BIOS
Storage	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
System Expansion	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
Supported O/S	Microsoft Windows 7/8.1/10 (32/64-bit) Linux *Other Operating System available on request
Internal Interfaces	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 *Via DB9 breakout
LEDs and Switches	Power (PC On) LED Hard disk access LED Front: ATX system control switch, System reset
External Interfaces	Front: USB: 2 ports Front keyboard: Mini-DIN for (keyboard only) 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 *Additional rear I/O can be broken out with breakout cables. Please discuss your requirements.
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 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)
Environmental	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 * Thermally controlled system fans run at peak operating speed during system start up. Speed is reduced based system temperature. Storage: Temperature: -20 to 65°C

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: 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 *Higher rated and DC power supply options are available. We recommend that you discuss your power requirements before placing your order.
Reliability	MTBF calculation available on request