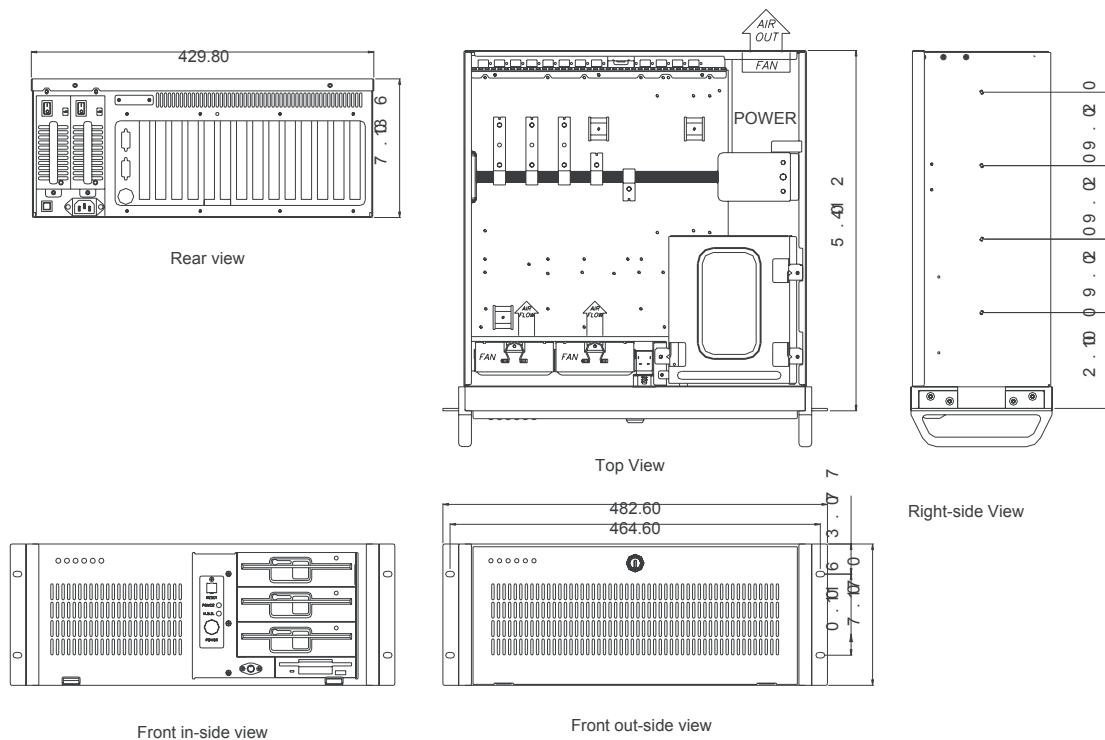# Ventrix 4060 Series

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 ISO-9001

Dimensions

Rear view

Top View

Right-side View

Front in-side view

Front out-side view

Configuration shown is for illustration purposes only

Ventrix 4060 Series

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: 3 x 5.25" + 1 x 3.5" HDD We can provide storage and backup solutions for any application
System Expansion	Please discuss your requirements
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)
	    VGA: DB-15 connector x 1
	    LAN: RJ45 Ethernet x 2
	
	*Please discuss your port configuration 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 177(H) x 451(D) mm (19" x 7" x 17.8") Packaging size: 590(W) x 340(H) x 618(D) mm (23.2" x 13.4" x 24.3") Cooling: 2 x 92mm fan, 51 CFM each Air filter: removable (washable) Gross weight: approximately 19kg
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