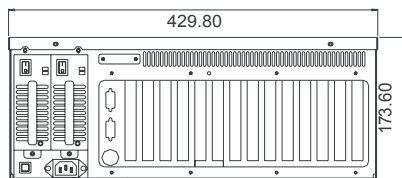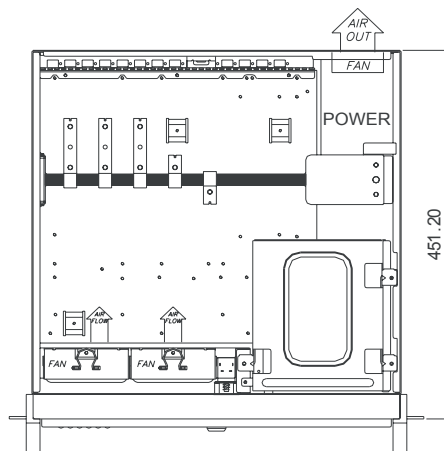# Ventrix 4080 Series

Features

- Intel® 8th Generation Core Processor family
- iAMT[1] Support
- 15 year life cycle industrial components[2]
- PCIe rev. 3.0
- OEM Branding available
- Remote System Monitoring (S/W)[3]
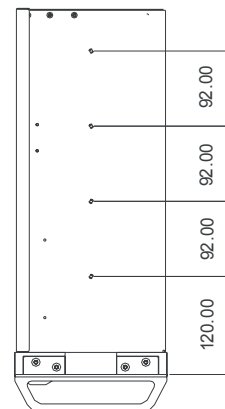- Assembled and tested under ISO9001

Dimensions

429.80

173.60

Rear view

AIR OUT

FAN

POWER

451.20

AIR FLOW   AIR FLOW

FAN   FAN

Top View

92.00

92.00

92.00

120.00

Right-side View

Front in-side view

482.60
464.60

37.70

101.60

177.00
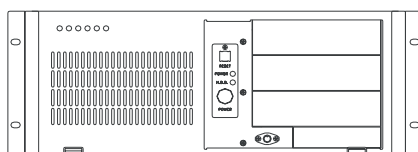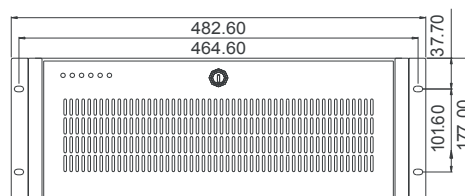
Front out-side view

Configuration shown is for illustration purposes only

Ventrix 4080 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.

Hardware Specification	Architecture: PICMG 1.3 Full length CPU: Intel® 8th Generation Core Processor Chipset: Q370 Memory: Dual DDR4 288-pin, maximum 64GB, Non-ECC Display: VGA, mDP 1.2 Watch Dog Timer: 255 levels, 1 ~ 255 sec. Battery: Lithium 3V/220 mAH
BIOS	AMI BIOS
Display	Intel HD Graphics

Storage	Options:
	    1 x M.2, M-Key (PCIe x4), 2280
	    3 x 5.25" Bays
	    1 x 3.5" Bay
	    1 x Internal USB 2.0 Type-A
	
	Caddy options are available
	RAID support 0/1/5/10 via Intel® RST

System Expansion	Please Discuss Your System Expansion Requirements
Supported O/S	**Microsoft Windows 10 64-Bit (Pro/IoT), Windows 11, Linux**

LEDs and Switches	LEDs:
	    Power
	    HDD/SSD Activity
	
	Switches:
	    ATX power control
	    System Reset

External Interfaces	Front:
	    USB: 2 x USB 2.0 type A (Female)
	    Mini-DIN: PS/2 keyboard
	
	Rear:
	    USB: 2 x USB 3.1 Gen 2 type A (female)
	    Display: VGA & mDP 1.2
	    LAN: Dual RJ45 GbE
	
	Options*:
	    USB: 4 x 3.1 Gen 1
	    PS/2: Keyboard and Mouse
	    DB9: 3 x RS232, 1 x Selectable
	    LPT: Parallel Port
	    Audio: Kit option
	
	*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 Steel Colour: Black Dimensions: 483W x 177H x 451D mm Packaging Size: 590W x 340H x 618D mm Cooling: 2 x 92mm Fan (51 CFM Each) Air Filter: Removable (Washable)
Environmental	Acoustic Noise[4]: 47dBA sound pressure at 23°C (typical) Operating Temperature[5]: 0°C ~ 60° Operating Humidity: 10% ~ 95% Relative, Non-Condensing Storage Temperature: -20°C ~ 80°C
Certifications	CE Industrial

Electrical Ratings	Voltage: 90 ~ 264 VAC Full Range
	Frequency : 47~63 HZ
	Input Current: 8.0 A (RMS) FOR 115VAC
	4.0 A (RMS) FOR 230VAC
	Inrush Current: 80.0A Max.
	Active PFC (full range)
	EMI Noise Filter
	Protection:
	    OVER POWER
	    OVER VOLTAGE
	    OVER CURRENT
	    SHORT CIRCUIT

1 = Intel Active Management Technology.
2 = From hardware Mass Production.
3 = Currently Windows OS Support only.
4 = Measurement taken at a distance of 1 meter
5 = Dependant on configuration