

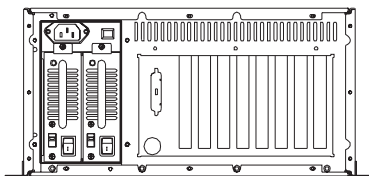
Ventrix 560



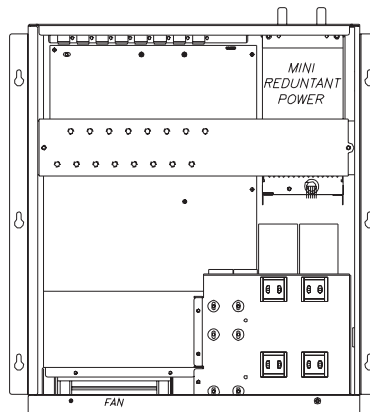
Features

- 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

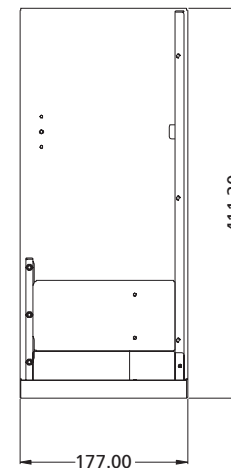
Dimensions



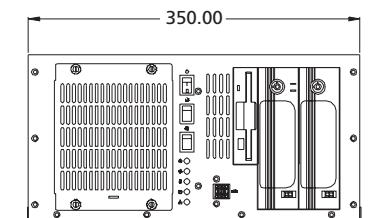
Rear View



Top View



Side View



Front View

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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>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>	Environmental operational	<p>Acoustic noise: 47dBA sound pressure at 23°C (typical) 49dBA* 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>
BIOS	AMI uEFI BIOS	Environmental storage	Temperature: -20 to 65°C
Storage	<p>500GB SATA HDD DVDRW (standard height) Total drive capacity: 2 x 5.25", 2 x 3.5" HDD We can provide storage and backup solutions for any application</p>	Electromagnetic compatibility (EMC)	<p>EN55022 Class A EN55024 Industrial severity (where applicable)</p> <p>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</p> <p>Radiated, radio-frequency, electromagnetic field immunity test (EN61000-4-3) 80-1000MHz, 10 V/m (RMS, no modulation) 80% Modulation with 1kHz Sine wave</p> <p>Electrical fast transient/burst immunity test (EN61000-4-4) Power port AC, inc. protective earth Severity ±2kV</p> <p>Surge Immunity test (EN61000-4-5) Power port AC Severity ±2kV applied line to line Severity ±2kV applied line to earth</p> <p>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</p> <p>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</p> <p>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</p> <p>Limits for harmonic current measurement (EN 61000-3-2), Product Class D</p> <p>Limitation of voltage changes, voltage fluctuations and flicker (EN 61000-3-3)</p> <p>Amplicon own a fully equipped EMC facility and can provide many additional tests to meet your requirements.</p>
System expansion	<p>5 PCI (1 x full length, 4 x 180mm) 1 x PCI Express x16 (240mm length) for graphics card only Additional slots can be made available by reducing I/O ports</p>	Safety	Safety of information technology equipment (EN 60950)
Supported OS (Operating System)	<p>Microsoft Windows 7/8. 1/10 (32/64-bit) Linux</p> <p>*Other operating available on request</p>	Electrical ratings	<p>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</p> <p>Active PFC EMI noise filter Over power / voltage / current protection Short circuit protection</p>
Internal interfaces	<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>	Reliability	<p>Reliability System MTBF: >25,000 hrs @ 25°C Diagnostic burn-in run on every system Typical Power 150W (unexpanded)</p>
LEDs and switches	<p>Power (PC ON) LED Hard disk access LED Front: ATX system control switch, system reset</p>		
External interfaces	<p>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</p> <p>*Additional rear I/O can be broken out with breakout cables. Please discuss your requirements.</p>		
Mechanical	<p>Design: Desktop or wall mount Construction: Heavy duty cold rolled electroplated steel Colour: Black (custom colours available for large orders) Dimensions: 350(W) x 177(H) x 411(D) mm (13.8" x 7.0" x 16.2") Packaging size: 490(W) x 324(H) x 558(D) mm (19.3" x 12.8" x 22.0") Total drive capacity: 2 x 5.25", 1 x 3.5" HDD, 1 x 3.5" floppy disk drive Cooling: 1 x 120mm fan, 90 CFM Air filter: Removable (washable) Gross weight: Approximately 17kg</p>		

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