Impact-R 3100



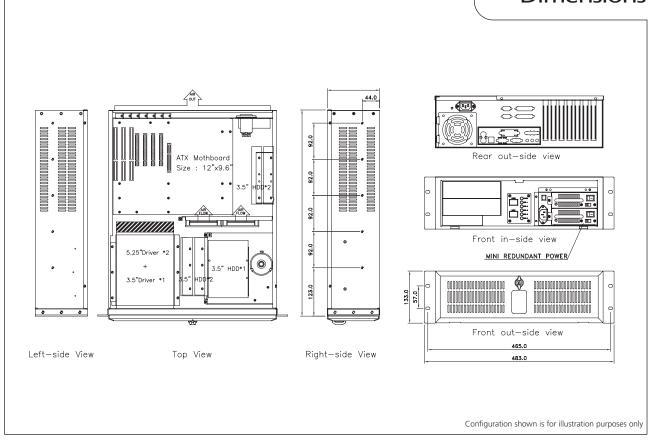
Features

The Impact-R 3100 series computers are powered by Intel® based commercial motherboards, delivering a compact and flexible computer platform.

- Intel® Comet Lake CPU architecture
- DDR4 Memory up to 128GB
- Supports 3 native displays simultaneously

Our production processes are controlled under ISO 9001 and every system undergoes a full diagnostic burn-in prior to shipment

Dimensions



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3U rackmount industrial PC

PC

Impact-R 3100

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 BIOS	CPU: Intel® LGA1200 10th Generation Core™ i9/i7/i5/i3 and Xeon Chipset: Intel® W480E Memory: 4 x DIMM - max 128GB DDR4 2933MHz non-ECCLAN: Intel® I211AT/I219LM GbE	Optional Breakout Interfaces (Will use 1 slot per breakout) Mechanical	1 x RS-232/422/485 (RS-232 w/ power) 4 x RS-232 2 x USB 3.2 Gen 2 2 x USB 2.0 1 x USB 2.0 Vertical Type A 1 x Front Audio Header 1 x S/PDIF SATA 1 x PS/2 (mini-DIN-6) LPC 1 x LPC (supports LPC EXT-RS232/RS485 module)
Display	1 x VGA, resolution up to 1920x1200 @ 60Hz 1 x DP++, resolution up to 4096x2160 @ 60Hz 1 x HDMI 1.4b, resolution up to 4096x2160 @ 24Hz		Design: EIA RS-310C 19* Rackmount Standard Construction: 1.2mm SECC Zinc-Coated Steel Security: Lockable front door Color: Black (custom colours available for large orders) Dimensions: 483(W) x 133(H) x 526(D)mm (19.0" x 5.2" x 20.7") Packaging Size: 588(W) x 285(H) x 703(D)mm (23.1" x 11.2" x 27.7") Total drive capacity: 2 x 5.25", 1 x 3.5" external, 4 x 3.5" internal Cooling: 1 x 80mm, 2 x 92mm ball bearing fan Air filter: removable (washable) Gross weight: approximately 18 kg Temperature: -20 to 65°C Humidity: 5 to 90% at 25°C non-condensing
Storage	Total drive capacity: 2 x 5.25", 1 x 3.5" external 4 x 3.5" internal RAID: 0, 1, 5, 10 Dual M.2 also available		
System Expansion	2 x PCIe x16 (Gen 3) (1 x16 signal or 2 x8 signal) 3 x PCIe x4 (Gen 3) (2 x4 signal and 1 x1 signal) 2 x PCI 2 x M.2 M key PCie 3.0 x 4 NVME		
System Architecture		Environmental storage	
Supported O/S	Windows 10/Linux	Environmental operation	Acoustic noise: Approximately 49dB(A) sound pressure at 23°C (typical) Temperature: 5 to 60°C (tested for extended operation up to 50°C) Humidity: 5 to 90% at 25°C non-condensing Humidity: 5 to 90% at 25°C non-condensing
External Interfaces	Front: 2 x USB 2.0/1.1 On/Off Switch, Reset Pwr/HDD LEDs Rear: 2 x GbE (RI-45) 1 x RS-232/422/485 (RS-232 w/ power) (DB-9) 2 x USB 3.2 Gen2, 2 x USB 3.2 Gen1, 4 x USB 2.0 1 x VGA, 1 x DP++, 1 x HDMI 1 x Line-out, 1 x Mic-in,		
		Reliability	System MTBF: Critical components failure >45,000 hrs @ 25°C (we can provide information for specific configurations). Full burn-in diagnostic run on every system.
		Certifications	CE/UKCA

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