

Impact-D 100AL

Features

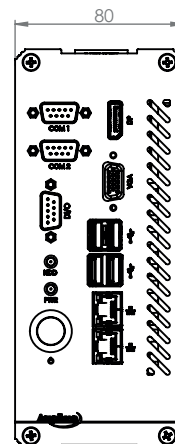
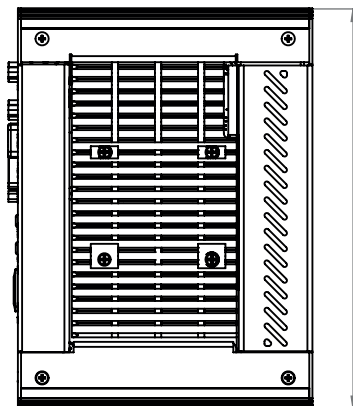
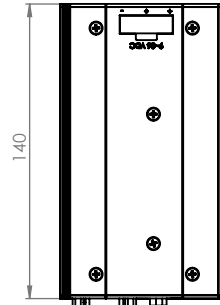
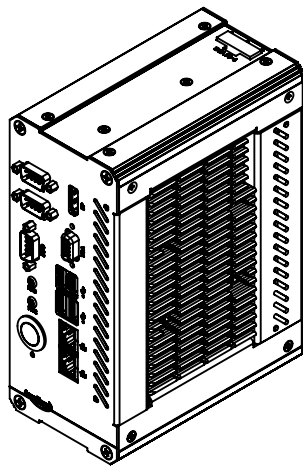


The Impact-D 100AL is a compact, DIN Rail mountable, low power embedded system, utilising Intel® ATOM™ Apollo Lake series processor technology.

Key features:-

- Low power consumption
- High end ATOM™ processing power
- Compact fanless design
- OEM branding available
- Long 15 year life cycle

Dimensions



Impact-D 100AL

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® ATOM™ E3900 series Main Memory: 2GB DDR3L (max 8GB) LAN: Dual Intel® 10/100/1GbE (i211AT)	Environmental operation	Acoustic noise: Near silent operation Operating Temperature*: -20°C to 70°C Humidity: 10 to 90% non-condensing *-40~85°C available upon request and project
BIOS	Insyde SPI 128Mbit	Environmental storage	Temperature: -40°C to 85°C Humidity: 10% to 90%
Storage	Total Drive capacity: 1 x 2.5" SSD/HDD 1 x M.2 (B-Key 2242)	Electromagnetic Compatibility (EMC)	EN55023 Class A EN55024 Electrostatic discharge immunity test (EN61000-4-2) Enclosure port ±4kV Contact, applied to enclosure port ±8kV Air, applied to enclosure port Radiated, radio-frequency, electromagnetic field immunity test (EN61000-4-3) Enclosure port 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 ±0.5kV Surge Immunity test (EN61000-4-5) Power port Severity ±0.5kV applied line to earth Immunity to conducted disturbances induced by radiofrequency fields (EN61000-4-6) Power port inc. protective earth via CDN M3 0.15-80MHz, 10 V/m (no modulation) 80% Modulation with 1kHz Sine wave, applied via CDN Amplicon own a fully equipped EMC facility and can provide many additional tests to meet your requirements.
Watchdog Timer	Output: System Reset Interval: Programmable via S/W – 1 to 255 seconds		
TPM	Upon request		
Supported Operating System(s)	Windows 10 Pro/IoT 64-bit Linux kernel 4.1+/Ubuntu 16.04LTS		
LED's and Switches	Power (PC on) LED Hard Disk access LED ATX system control switch		
General Interfaces	2 x RJ45 for GbE 2 x USB 3.0 2 x USB 2.0 2 x DB9 COM ports (RS232/422/485) 1 x DB9 8-bit D/I/O 1 x DB15 VGA (2048x1536@50Hz) 1 x DP++ (4096x2160@60Hz)		
Power	DC input: +9~36VDC		
Mechanical	Design: Rugged compact embedded design Cooling: Fanless design Construction: Extruded Aluminium Color: Black/Silver Dimensions: TBC		

Rear I/O plate

