

Fully customisable SB2 Embedded Box Computer



Overview

The SB200 Box Computer is a robust, low power and fanless computer that utilises the Intel® Celeron® J3455 1.50Ghz Quad Core processor. The chassis is built using Stainless Steel (430) with attachable mounts which enable it to be fixed in any position, including rear mounting to a monitor. The SB200 Box Computer is an ideal rugged industrial replacement to commercial grade computers – all in a compact footprint. See all of the specifications below, and if something isn't listed that you may require, contact us and let us know as we may already have the solution you need!



General Specifications

| ELECTRICAL AND ELE | CTRONIC |
|-----------------------|--|
| Supply Voltage | 9-36VDC |
| Power Consumption | 35W typ. |
| Motherboard | See Appendix A, Fanless |
| MECHANICAL | |
| Material | Stainless Steel (430) |
| Mounting | VESA 75 mount |
| Dimensions (mm) | See Dimensions on Page 3 |
| Weight (g) | 2Kg |
| ENVIRONMENTAL | |
| Operating Temperature | 0°C to +50°C |
| Storage Temperature | -20°C to +70°C |
| Relative Humidity | 95% non-condensing |
| IP Seal Level | IP22 |
| WARRANTY | |
| Warranty Period | 3 Years standard return to base. Extendable to 5 Years if required |

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| APPENDIX A | |
|------------------|--|
| MOTHERBOARD | AL |
| Form Factor | Mini-ITX |
| CPU | Intel® Celeron® J3455 1.50Ghz |
| Core Number | 4 |
| Chipset | |
| BIOS | AMI UEFI |
| Graphics | Intel [®] HD Graphics |
| HDMI | 1 x Supports HDMI 1.4, max resolution 3840 x 2160 @ 30Hz |
| VGA | 1, max resolution 1920 x 1080 @ 60Hz |
| RAM | Up to 8GB (DDR3L-1866) |
| SATA | 1 x SATA3 (6.0Gb/s) |
| Mini-PCIe | 1 x Half-Sized |
| m-SATA | N/A |
| M.2 | 1 (M-key, 2242/2280) |
| PCI / PCIe | N/A |
| Serial Ports | 1 x RS232/RS422/485, 1 x RS232 |
| USB Ports | 4 x USB3 // 3 x USB2, 4 x USB3 |
| Keyboard | 1 (shared) – Optional |
| Mouse | 1 (shared) – Optional |
| Ethernet | 2 x 10/100/1000 Mbps |
| Parallel Port | N/A |
| Audio | HD Audio with 3W Amplifier |
| Power | 35W |
| Storage Media | 128GB – 480GB SSD (SLC/MLC) or 500GB HDD |
| Operating System | Windows 10 IoT Enterprise LTSC 64-bit |

Other System Options

| Wi-Fi | |
|-----------|--|
| Bluetooth | |

WLAN communication is available via a USB Dongle. Fully compliant with IEEE's security 802.11b or 802.11g (2.4 GHz) standards with WPA/WEP support. Bluetooth communication available via a USB Dongle. Compliant with Bluetooth 4.0 Low Energy specification.

Customisation

| Colour | Full customisation of case colour and logos available |
|----------------|---|
| OS / Software | Contact us for further details |
| Output Sockets | These can be customised to suit your requirements |

Accessories

| Mounting | Wall mount brackets available |
|---------------|--------------------------------|
| KVM Extenders | Contact us for further details |

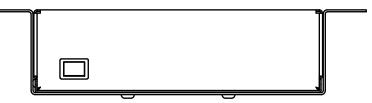
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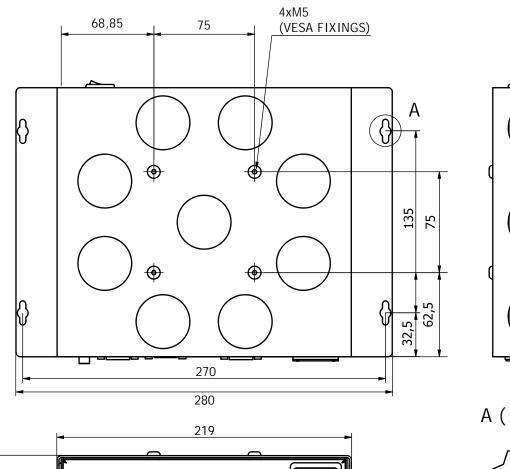
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Dimensions

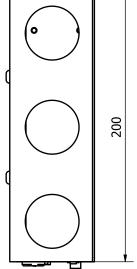


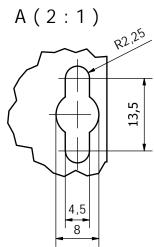


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