

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 ELECTRONIC	
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



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	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	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

Dimensions

