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Ultra Thin Fanless Mini PC Based on the latest Intel® 5th Gen Broadwell ULT Mobile Processors

VBW-10 is a mini industrial embedded small factor fanless PC system developed around the latest Intel 5th generation Broadwell i7/i5/i3 or Celeron 3205U processors. Broadwell is a 14 nanometer process as opposed to Haswell's 22 nanometer process, and will offer 20 percent better graphical performance than Haswell did, letting Intel HD, Iris, and Iris Pro graphics get a little boost even if they can't tackle serious next-gen graphics. This fanless computer barebone is packed with rich interfaces as 2 x HDMI, 2 X LAN, 2 x USB3.0, 4 x USB2.0, 1 x COM RS232, 2 x Mini PCIe, which meet requirements of most industrial customers on the market. This Broadwell based fanless PC system is dedicated to automation, digital signage, network security, point of sale, transportation solutions and is designed to be high performance, reliable, secure and easy to manage.

VBW-10

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Features

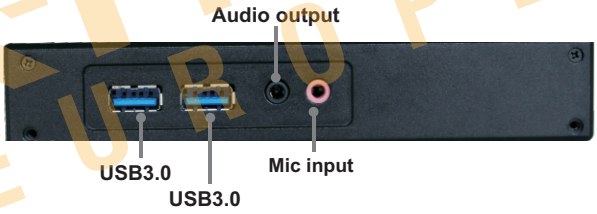
◆Developed around Intel Latest Broadwell Core i7/i5/i3 or Celeron 3205U Processors
◆Support Windows 7/8, 32/64-bit
◆Integrated Intel HD 5500/Intel HD GPU
◆Up to 8GB DDR3L-1333/1600 memory
◆Rich connectivity: 2 x HDMI, 2 x LAN, 2 x USB3.0, 4 x USB2.0, 1 x COM RS232, 2 x Mini PCIe, 1 x SATA3.0
◆Low power industrial fanless PC system



Specifications

CPU	GPU
i7-5500U(2.4GHz, max turbo frequency 3.0GHz, dual core, TDP 15W)	Intel HD 5500
i5-5200U(2.2GHz, max turbo frequency 2.7GHz, dual core, TDP 15W)	Intel HD 5500
i3-5005U(2.0 GHz, no turbo frequency, dual core, TDP 15W)	Intel HD 5500
Celeron 3205U(1.5 GHz, dual core, TDP 15W)	Intel HD

BIOS	Provided by default
System Memory	1 x SO-DIMM slot supports DDR3L-1333/1600 up to 8GB RAM
Ethernet	2 x GbE LAN
Storage	1 x SATA3.0; 1x Full-size Mini-PCIe (for mSATA)
Expansion	1x Half-size Mini PCIe(for WIFI or 3G network)
Power Supply	1x DC_IN 12V
Display Interface	2 x HDMI
Serial Port	1 x COM RS232(optional)
USB	2 x USB3.0, 4 x USB2.0
Audio	Mic in, Line out
Wake on LAN	Yes
Enclosure Material	100% Aluminum
Coating Processes	
Mounting Option	
Color	Black
Operating Temperature	-20℃~65℃
Dimension	150mm x190mm x 27mm
Weight	800g





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Mounting Kit



Supporting VESA Mounting Standard MIS-D 75, 100



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All operating parameters, including typical parameters, must be validated for each customer application by the customer’s technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.

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