VBW-10

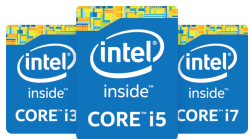## Ultra Thin Fanless Mini PC Based on the Intel® 5th Gen Broadwell Processors

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,
  1x COM RS232,
- Storage option with 2 x Mini PCIe, 1 x SATA3.0
- Low power industrial fanless PC system

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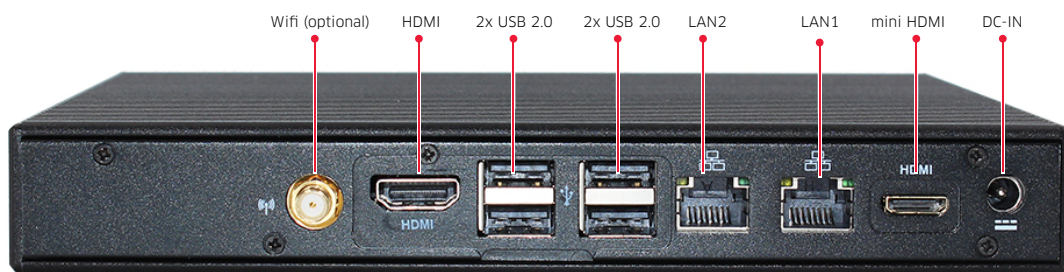
Product Introduction

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 nextgen 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.

I/O Interfaces

Rear Panel

Wifi (optional)   HDMI   2x USB 2.0   2x USB 2.0   LAN2   LAN1   mini HDMI   DC-IN

Right side

2x USB 3.0   Line_out/SPDIF_out, Mic_in

Technical Specifications

Processor	i7-5500U(2.4GHz, max turbo frequency 3.0GHz, dual core, TDP 15W); GPU Intel HD 5500
	i5-5200U(2.2GHz, max turbo frequency 2.7GHz, dual core, TDP 15W); GPU Intel HD 5500
	i3-5005U(2.0 GHz, no turbo frequency, dual core, TDP 15W); GPU 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
Color	Black
Operating Temperature	-20℃~65℃
Dimension	150mm x190mm x 27mm
Weight	800g
OS Support	Windows, Linux

Ordering Information

Model	CPU	Memory	HDMI	COM	LAN	Audio	SATA	Mini-PCIe (half)	Mini-PCIe (full)	USB3.0	USB2.0	Power	Cooling
VBW-10	i7/i5/i3 or Celeron 3205U	1 × DDR3L	1	1 (OPTIONAL)	2	Yes	1	1	1	2	4	DC-IN	Passive
Customization available													

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