

# BPC-U650X

Small, Low Voltage and Powerful



Fanless Embedded Box PC with Intel® 8th Gen. Whiskey Lake Core i3 / i5 CPU with Intel Pentium N4200 CPU



## Features

- 8th. Gen. Intel CPU, Whiskey Lake
- Ultra Low Power and Fanless Design
- DP/ HDMI output supported
- Rugged Design for Shock/Vibration Protection
- Wall and DIN Rail Mount (optional)
- TPM 2.0 Header
- 4K immersive Graphics, Media Performance

<b>System CPU</b>	Soldered onboard Intel® 8th Gen. CPU Core i3-8145U 2,1 - 3.7 GHz, 2 Core, 4MB Core i5-8265U 1,6 - 3.9 GHz, 4 Core, 6MB Pentium N4200E 1,1 - 2.5 GHz, 4 Core, 2MB
<b>Memory</b>	1 x 260-pin DDR4L SO-DIMM socket, supporting 2133/2400MHz SDRAM up to 16GB pre-install 4GB DDR4L SO-DIMM Memory Module
<b>Graphics</b>	Integrated Intel® UHD 620 Graphic, max.1100 MHz
<b>LAN Chipset</b>	Intel 1x211AT and 1x219V GbE controllers
<b>Watchdog Timer</b>	1~255 levels reset
<b>I/O</b>	
<b>Serial Port</b>	2x COM Ports(optional)
<b>USB Port</b>	4 x USB 3.1 port, Type A 2 x USB 2.0 ports
<b>LAN</b>	<b>2 x RJ-45 ports for GbE</b>
<b>Video Port</b>	UHD 620 1 x DP female connector resolution 3840x2160 @ 60Hz 1 x HDMI port resolution 4096x2160 @ 24Hz resolution 3840x2160 @ 60Hz
<b>Audio</b>	connector for Line-out(optional)
<b>Expansion Bus</b>	1x mPCIe( mSATA), 1x M.2-M, 1x M.2-E
<b>Environmental</b>	
<b>Operating Temp.</b>	-20 ~ 60°C,( RAMs SSD optional )
<b>Storage Temp.</b>	-40 ~ 85°C (-40 ~ 185°F)
<b>Operating Humidity</b>	10 ~ 95% @ 60°C (non-condensing)
<b>Vibration</b>	3 Grms/5~500Hz/random operation
<b>Shock</b>	Operating 40G (11ms), Non-operating 60G with mSATA

<b>Qualification</b>	
<b>Certification</b>	Meet CE, FCC
<b>Warranty</b>	2 Years
<b>Power Requirement</b>	
<b>Power Input</b>	DC 12V-24V input
<b>Power Consumption</b>	2.82A@12V (typical w/ 8145U)
<b>Storage</b>	
<b>Storage</b>	1 x mSATA socket, Optional pre-install 64GB/120GB mSATA SSD, Raid optional
<b>Mechanical</b>	
<b>Construction</b>	Alu Housing complete and with CPU Heat sink
<b>Weight</b>	1 kg (1.32lb, Barebone)
<b>Dimensions (W x D x H)</b>	168 x 142 x 92mm
<b>OS Support</b>	
<b>Windows</b>	Windows10 pro 64Bit, WIN 10 IOT Enterprise
<b>Linux</b>	Linux: Ubuntu, Red Head Enterprise, Fedora Workstation
<b>Order Information</b>	
<b>BPC-U6503</b>	Box PC with Whiskey Lake i3-8145U CPU
<b>BPC-U6505</b>	Box PC with Whiskey Lake i5-8265U CPU
<b>BPC-U650P</b>	Box PC with Pentium N4200E CPU



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Alptech Elektronik GmbH



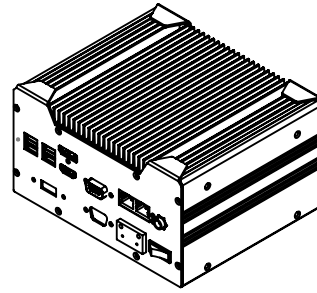
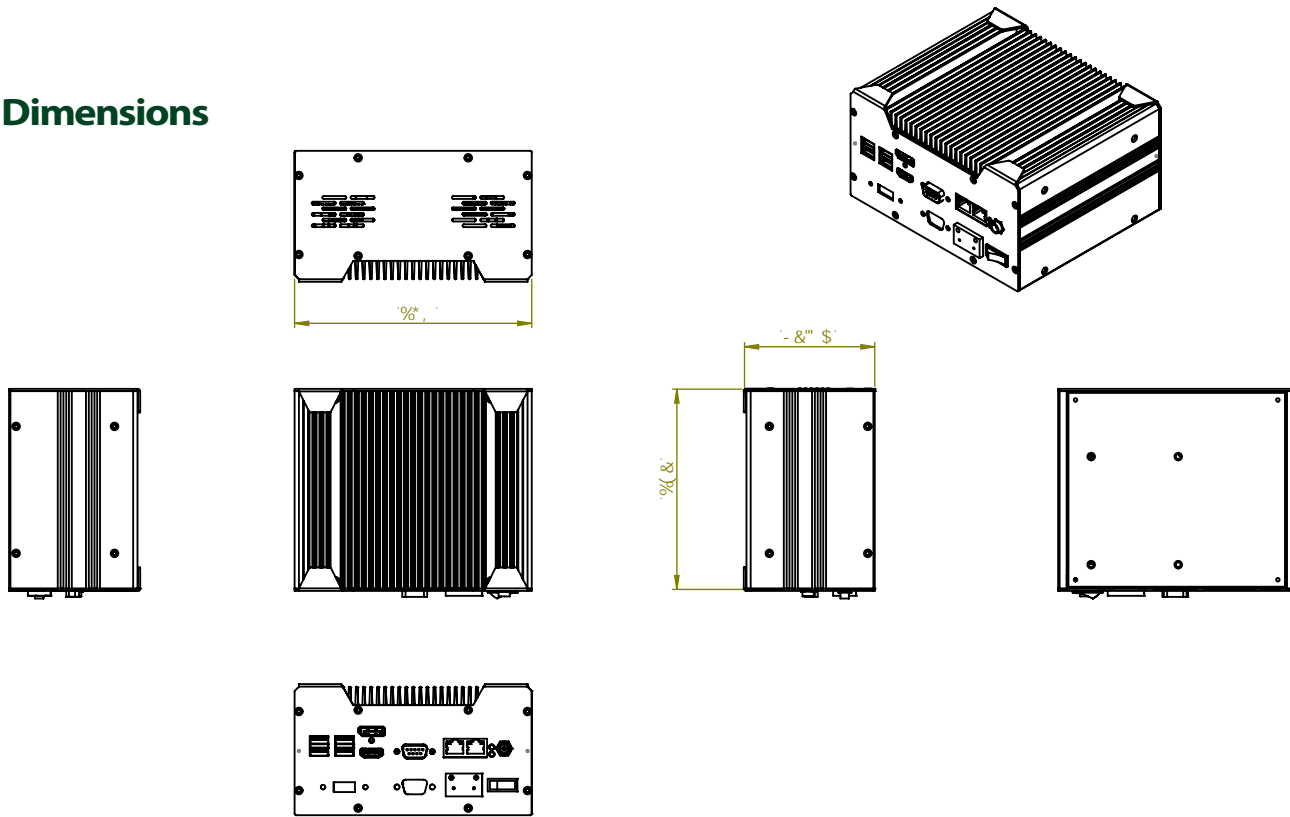
Zimmersmühlenweg 14-18  
D-61440 Oberursel/Ts.

Tel: 06171-9799110 E-Mail: info@alptech.de  
Fax: 06171-9799115 www.alptech.de

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## Dimensions



## Standard Accessories

WMK-600 Wall-mount kit for BPC-600 Series

## Optional Accessories

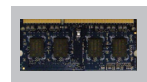
120 GB SSD Intel® 2.5" 120GB SATAIII SSD kit



64 GB SSD mSATA MLC 64GB



MM-4CL-4G DDR4L-2133 4GB SDRAM



MM-4CL-8G DDR4L-2133 8GB SDRAM

PAC-90W 19/24 V/ 90W AC/DC adapter kit



DRK-200 Din rail mounting kit for BPC-200 Series

