

Fanless Embedded Box PC Small, Low Voltage and Powerful

BPC-U650X, BPC-U660X

Soldered onboard Intel® 8th/12th. Gen. CPU

Specifications

System

CPU	Core i3-8145UE 2,2 - 3.7 GHz, 2 Core, 4MB Core i5-8365UE 1,6 - 3.9 GHz, 4 Core, 6MB Pentium N4200E 1,1 - 2.5 GHz, 4 Core, 2MB
	Alder Lake CPUs i3-1215U and i5-1235U Core i3-8145UE 2,2 - 3.7 GHz, 2 Core, 4MB, optional Core i5-8365UE 1,6 - 3.9 GHz, 4 Core, 6MB, optional Pentium N4200E 1,1 - 2.5 GHz, 4 Core, 2MB, optional
Memory	1 x 260-pin DDR4L SO-DIMM socket, supporting 2133/2400MHz SDRAM up to 16GB pre-install 4GB DDR4L SO-DIMM Memory Module
Graphics	Integrated Intel® UHD 620 Graphic, max.1100 MHz
LAN Chipset	Intel 1x211AT and 1x219V GbE controllers
Watchdog Timer	1~255 levels reset

I/O

Serial Port	2x COM Ports(optional)
USB Port	4 x USB 3.1 port, Type A 2 x USB 2.0 ports
LAN	2 x RJ-45 ports for GbE
Video Port	UHD 620 1 x DP female connector resolution 3840x2160 @ 60Hz
	1 x HDMI port resolution 4096x2160 @ 24Hz resolution 3840x2160 @ 60Hz
Audio	connector for Line-out(optional)
Expansion Bus	1x mPCIe(mSATA), 1x M.2-M, 1x M.2-E

Environmental

Operating Temp.	-20 ~ 60°C,(RAMs + SSD optional)
Storage Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% @ 60°C (non-condensing)
Vibration	3 Grms/5~500Hz/random operation
Shock	Operating 40G (11ms), Non-operating 60G with mSATA

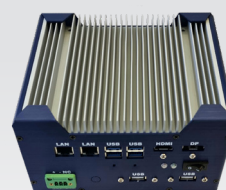
Qualification

Certification	Meet CE, FCC
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Warranty 2 Years

Power Requirement

Power Input	DC 12V-24V input
Power Consumption	2.82A@12V (typical w/ 8145UE)



BPC-U650X



BPC-U660X

Features

- 8th./ 12th. Gen. Intel CPU Core i3, i5
- 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

Storage

Storage	1 x mSATA socket, Optional pre-install 64GB/120GB mSATA SSD, Raid optional
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Mechanical

Construction	Alu Housing complete and with CPU Heat sink
Weight	1 kg (1.32lb, Barebone)

OS Support

Windows10 pro 64Bit, WIN 10 IOT Enterprise
Linux: Ubuntu, Red Head Enterprise, Fedora
Workstation

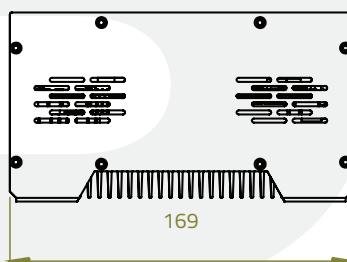
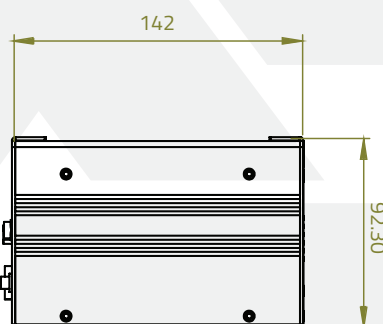
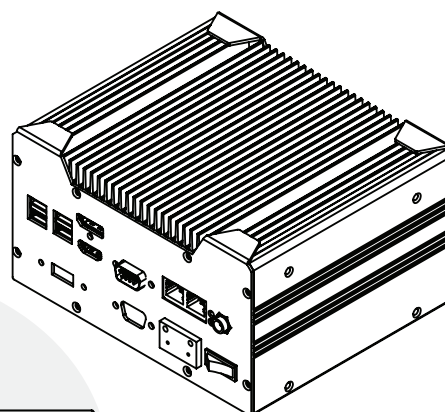
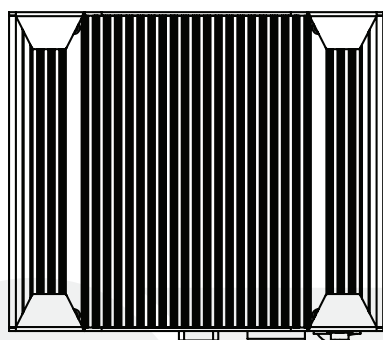
BPC-U650X

Dimensions:

168 x 142 x 92mm (W x D x H)

Order Information

BPC-U650X3	Box PC with Core i3-8145UE 2,2 - 3.7 GHz, 2 Core, 4MB
BPC-U650X5	Box PC with Core i5-8365UE 1,6 - 3.9 GHz, 4 Core, 6MB
BPC-U650XP	Box PC with Pentium N4200E 1,1 - 2.5 GHz, 4 Core, 2MB

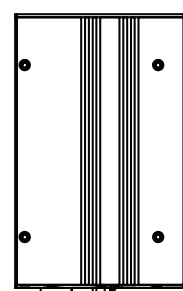
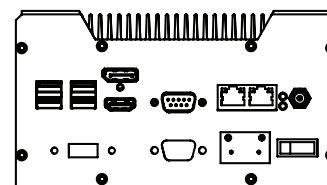
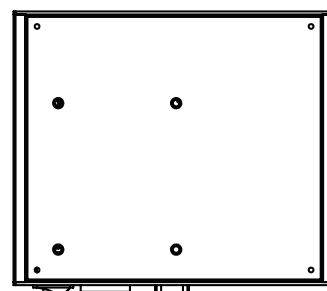


Standard Accessories

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



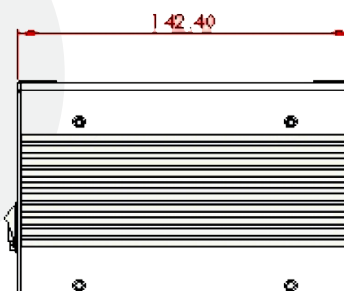
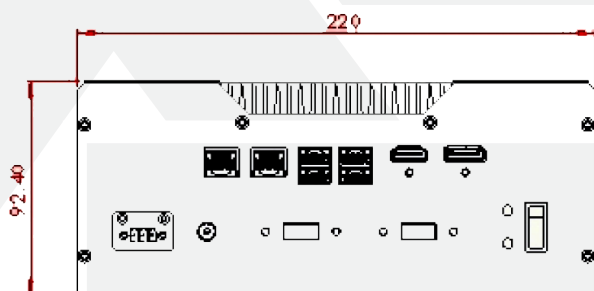
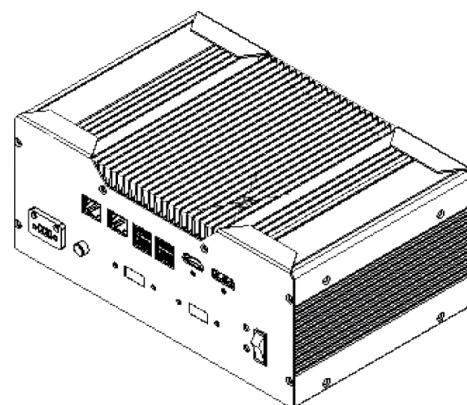
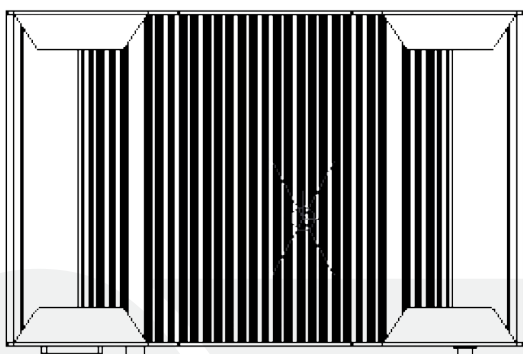
BPC-U660X

Dimensions:

220 x 142.4 x 92mm (W x D x H)

Order Information

BPC-U660XA	Box PC with Alder Lake i3-1215U and i5-1235U CPUs
BPC-U660X3	Box PC with Core i3-8145UE 2,2 - 3.7 GHz, 2 Core, 4MB, optional
BPC-U660X5	Box PC with Core i5-8365UE 1,6 - 3.9 GHz, 4 Core, 6MB, optional
BPC-U660XP	Box PC with Pentium N4200E 1,1 - 2.5 GHz, 4 Core, 2MB, optional



Standard Accessories

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

Contacts

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