

# BPC-A455XD

Fanless Embedded Box PC with Intel Apollo Lake-I Pentium® N4200E CPU



**Small, Low Voltage and Powerful**  
**DIN Rail and Wall Mount**



## Features

- Intel Apollo Lake-I Pentium N4200E CPU
- Ultra Low Power and Fanless Design
- DP/ HDMI output supported
- Optional Wi-Fi Connection supported
- Rugged Design for Shock/Vibration Protection
- **Wall and DIN Rail Mount**
- TPM 2.0 Header

## System

CPU	Soldered onboard Intel Pentium®, Apollo Lake-I N4200E, 4Core, 2,5 GHz
	Soldered onboard Intel 8th. Gen. Core i3 CPU Whisky Lake 8145U, 3,7 GHz, 4MB Cache
Memory	1 x 260-pin DDR3L SO-DIMM socket, supporting 1866MHz SDRAM up to 8GB pre-install 2GB/4GB DDR3L SO-DIMM Memory Module
Graphics	Integrated Intel® HD 505 Graphic, 200~750 MHz
LAN Chipset	Intel 2x210IT GbE controllers
Watchdog Timer	1~255 levels reset
<b>I/O</b>	
Serial Port	2x COM Ports
USB Port	4 x USB 3.0 port 2 x USB 2.0 ports
LAN	<b>2 x RJ-45 ports for GbE</b>
Video Port	1 x DP female connector resolution 4096x2160 @ 60Hz  1 x HDMI port resolution 3840x2160 @ 30Hz
Audio	connector for Line-out ( optional)
Expansion Bus	1 x mPCIe Mini-card socket, 2x M.2 2230/2242 1 x Micro SD Card

## 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
Warranty	2 Years, Lifecycle at least 5 Years

## Power Requirement

Power Input	DC 12V-24V input
Power Consumption	1.77A@12V (typical w/ N4200E)

## Storage

Storage	1 x SATA Port, Optional pre-install 64GB/120GB
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## Mechanical

Construction	Alu Housing complete and with CPU Heat sink
Weight	0.6kg (1.32lb, Barebone)
Dimensions (W x D x H)	184.6 x 124.5 x 77mm

## OS Support

Windows 7, 32-bit/64-bit and embedded  
Windows10, 32-bit/64-bit and embedded  
Windows10, IOT Enterprise  
Windows11 pro  
Linux: Ubuntu, Red Head Enterprise, Fedora Workstation

## Order Information

BPC-A4550D	Box PC with Pentium N4200 CPU
BPC-A4553D	Box PC with Core i3-8145U CPU



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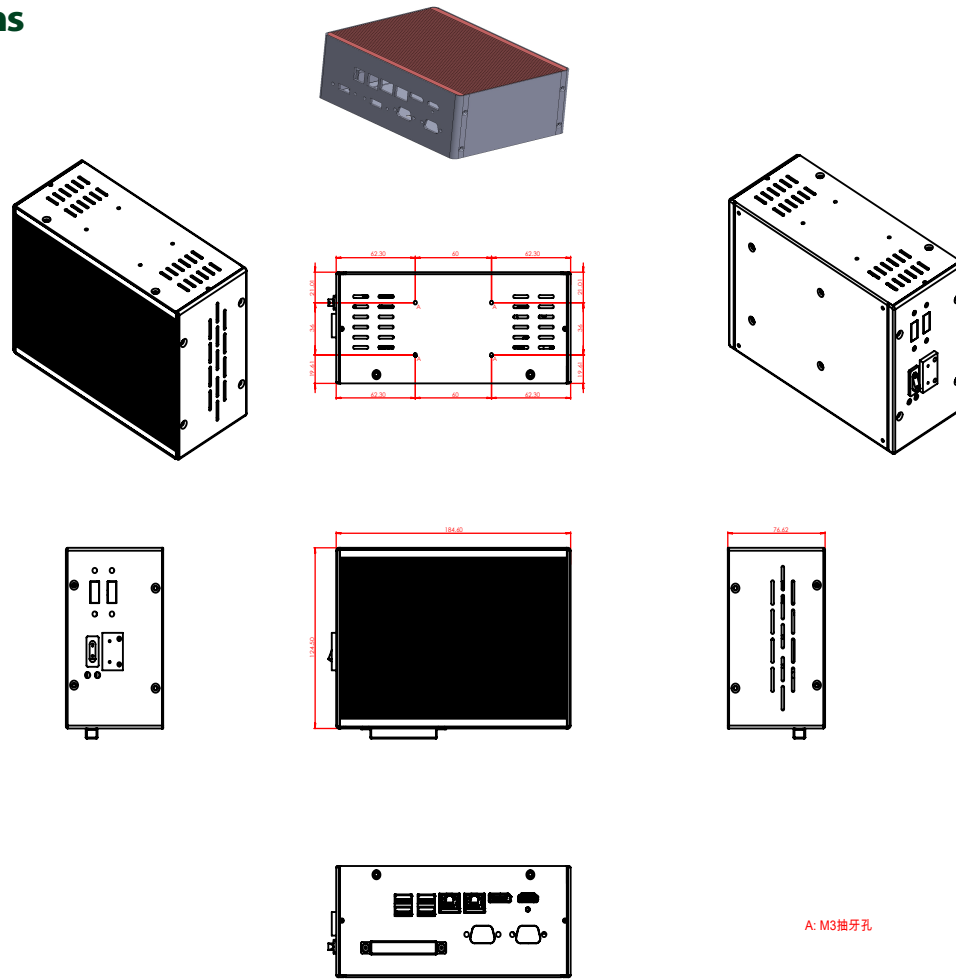
Alptech Elektronik GmbH



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D-61440 Oberursel/Ts.

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## Dimensions



### Standard Accessories

WMK-200 Wall-mount kit for BPC-200 Series

### Optional Accessories

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



64 GB SSD mSATA 64GB



MM-3CL-4G DDR3L-1866 4GB SDRAM



MM-3CL-8G DDR3L-1866 8GB SDRAM

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



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

