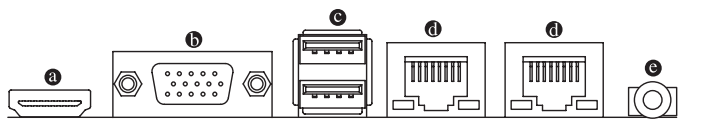


BPC-200-GA3450

Fanless Embedded Box PC with Intel® Celeron® Apollo lake N3450 CPU

Small, Low Voltage and Powerful



Features

- Ultra Low Power and Fanless Design
- HDMI / VGA output supported
- Optional Wi-Fi Connection supported
- Rugged Design for Shock/Vibration Protection
- Easy Installation/Maintenance
- 1x TPM 2.0 Module IC Onboard
- **4K immersive Graphics, Media Performance**

System

CPU	Soldered onboard Intel® Celeron® Apollo lake N3450 Quad Core , 2,2 GHz
Memory	1 x 204-pin DDR3L SO-DIMM socket, supporting 1600MHz SDRAM up to 8GB pre-install 4GB/8GB DDR3L SO-DIMM Memory Module
Graphics	Integrated Intel® HD 500 Graphic, 200~700 MHz 9 Gen.HD Graphics, DirectX 12
LAN Chipset	Realtek RL8111H GbE controllers
Watchdog Timer	

I/O

Serial Port	1x RS-232
USB Port	2 x USB 3.0 port 4 x USB 2.0 ports (2x USB 2.0 optional)
LAN	2 x RJ-45 ports for GbE
Grafic Port	1 x HDMI connector resolution 2560x1600 @ 60Hz resolution 3840x2160 @ 30Hz 1 x VGA port resolution 1920x1200 @ 60Hz
Audio	connector for Line-out
Expansion Bus	1 x Mini PCIe, 1x mSATA

Environmental

Operating Temp.	0 ~ 60°C, ambient w/ air flow
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	Lifecycle at least 5 Years
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Power Requirement

Power Input	DC 9V-36V 4 pins Power input
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Power Consumption	0.77A@12V (typical w/ N3450)
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Storage

Storage	1 x mSATA socket, Optional pre-install 64GB mSATA SSD
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Mechanical

Construction	case Metal and with CPU Heat sink
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Weight	0.6kg (1.32lb, Barebone)
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Dimensions (W x D x H)	172 x 157 x 44mm
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OS Support

Windows10, 32-bit/64-bit and embedded Linux: Ubuntu
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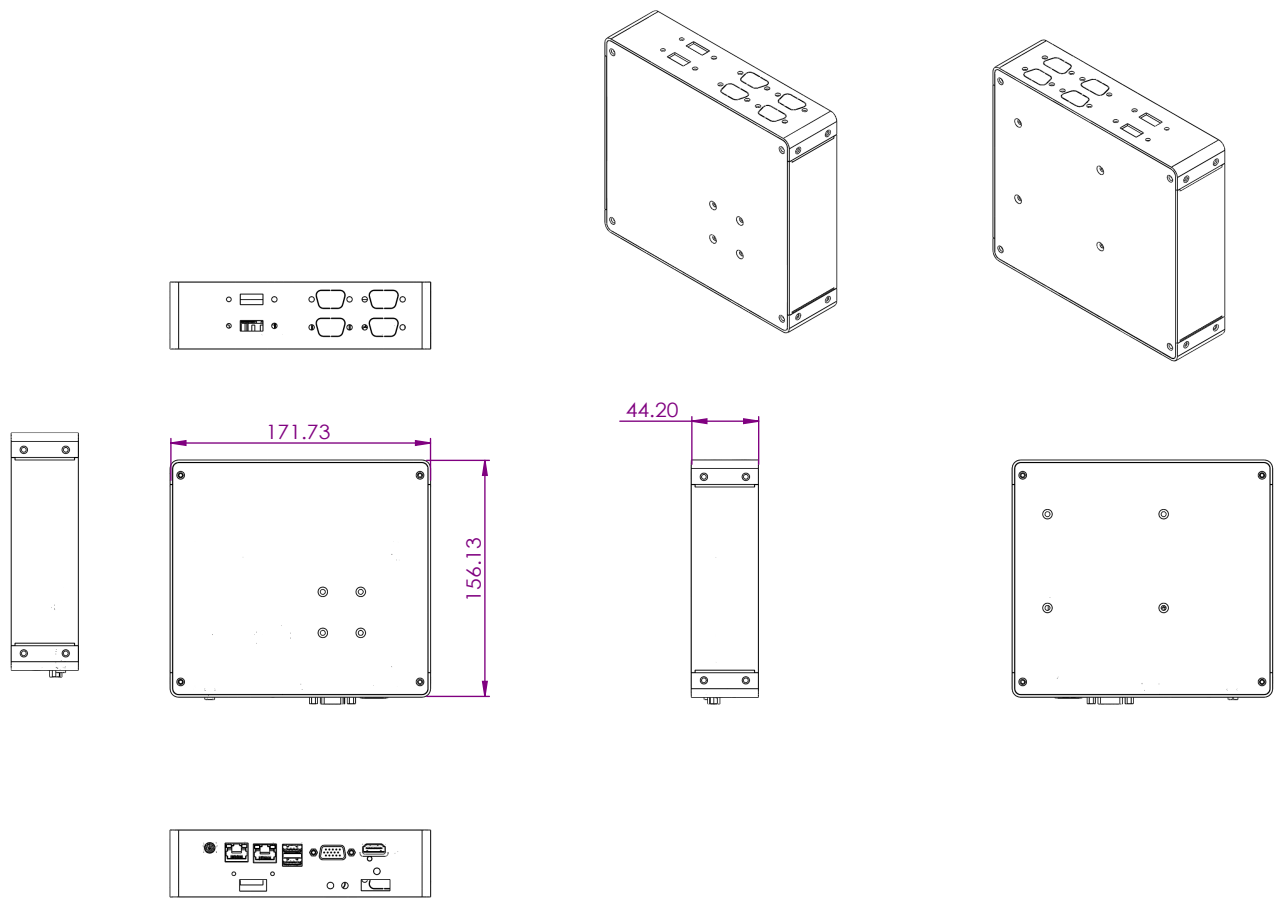


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Alptech Elektronik GmbH

Dimensions



Standard Accessories

Power Adaptor	12VDC, 5A, 60W, 2.5φ JACK, AC/DC Adaptor with power cord	
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Optional Configuration (CTOS* Kit)

WiFi-AT2200	Atheros AR9462 Wi-Fi module w/ 15cm internal wiring	
ANT-D11	1 x Wi-Fi Dual-band 2.4G/5G antenna	
2GB SO-DIMM	DDR3L-1600 2GB SO-DIMM Memory module	
4GB SO-DIMM	DDR3L-1600 4GB SO-DIMM Memory module	
8GB SO-DIMM	DDR3L-1600 8GB SO-DIMM Memory module	
64GB SSD	mSATA MLC 64 GB	
32GB SSD	mSATA MLC 32GB	

*CTOS means Configure-to-Order Service.