

BPC-3112

Fanless Compact Embedded Box PC with 12th Generation Alder Lake-U Intel® Core™ i5 Processor



Applications

- Edge AI Computing
- Factory Automation
- Transportation Management
- Automation Machine

Features

- Intel® i5-1235U Compact box PC
- 2 x 2.5GbE (Intel® I226v)
- 2 x HDMI 2.0 up to 4K Resolution
- Fast Connectivity with 4 x USB 3.2 Gen2

Ordering Information

Part No.	Description
BPC-3112-1A1	Intel® Core™ i5-1235U, 4 x USB3.2 Gen 2, 2 x USB2.0, 4 x RS232/422/485, 2 x 2.5GbE, 2 x HDMI, 8-bit GPIO, Line Out, Mic In, DC 9~36 V, Phoenix Connector

Packing List

Description

1 x BPC-3112-1A1

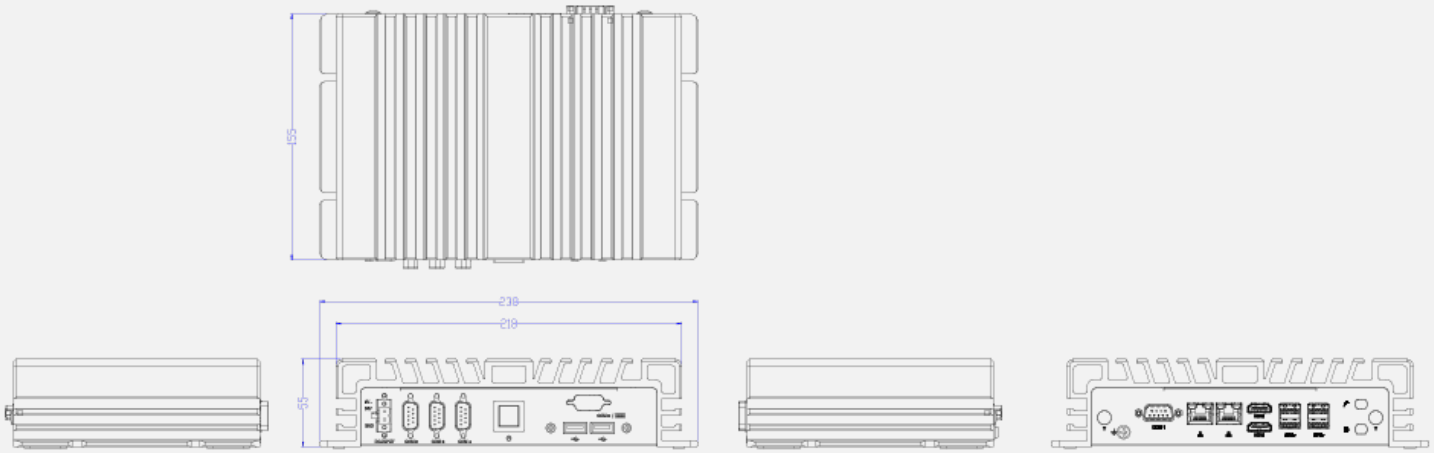
Optional Items

Part No.	Description
EA-PS-80W/12V/TB2xx-0111	Adaptor 80W/12V/6.7A_-30~70°C_TB2_GST90A12-P1M
EA-PS-120W/24V/TB3x-0111	Adaptor 120W/24V/5A_-30~70°C_TB2_GST90A12-P1M
27-x301010005-CA	Power Cord, 3-pin EU Type, 180 cm
27-x301000003-CA	Power Cord, 3-pin US Type, 180 cm
AWD-4G003	4G(LTE) EG25-G + 2 Antennas, Full Size (for Global)
AWD-WF003	Wi-Fi 802.11 a/b/g/n/ac/BT4.0 (2T2R) + 2 Antennas (Dual Band), Half Size
AWD-WF005	Wi-Fi 802.11 a/b/g/n/ac/BT4.0 (2T2R) +2 Antennas (Dual Band), M.2 2230 Type

Specifications

Model	BPC-3112-1A1	
Processor System	CPU	Intel® Core™ i5-1235U Processor, 10 cores, 12 threads
	BIOS	UEFI
	TPM	TPM 2.0 (Optional)
Memory	Technology	Dual Channel DDR4 3200 (un-buffered and non-ECC)
	Max. Capacity	64GB
	Type	2 x 260-pin SO-DIMM
Display	Graphics Engine	Intel® Iris® X ^e Graphics
	Multiple Display	2
	HDMI	2 x HDMI, Max Resolution 4096 x 2160
I/O Interface	USB	4 x USB3.2 (Gen2), 2 x USB2.0
	Serial Port	4 x RS232/422/485
	Ethernet	2 x 2.5GbE (Intel® I226v)
	Audio	1 x Line-out, 1 x Mic-in
	GPIO	4 x DI and 4 x DO
	Antenna Hole	2
	CMOS Battery	1 x CMOS Battery
Storage	M.2	1 x M.2 M-Key2 2280 (PCIe x4 and SATA III)
Expansion	Mini-PCIe	1 x Full-Size Mini-PCIe (PCIe, USB 2.0 and SIM)
	M.2	1 x M.2 E-Key 2230 (PCIe, USB)
	SIM Holder	1 x Micro-SIM Holder
Power	Power Mode	AT/ATX
	Power Supply Voltage	9-36V DC Input
	Power Connector Type	1 x DC Power Connector, 1x2-pin Terminal Block
Mounting	Type	Wall Mount
Environment	Operating Temperature	-20 ~ 60°C
	Storage Temperature	-40 ~ 85°C
	Humidity	0% ~ 90% (non-condensing)
General	Vibration	IEC 60068-2-64: 5Grms, random, 5~500 Hz, 1hr/axis
	Shock	IEC 60068-2-27: 50G, half-sine, 11ms duration
	Certification	CE/FCC Class A
	Thermal Dissipation	Fanless for 15W CPU
	Material	Aluminum & SECC
	Dimensions (W x D x H)	238 x 155 x 55mm
	Net Weight	1.8kg
Operating System	Windows 10 IoT, Windows 11 (IoT/Professional), Linux	

Dimensions BPC-3112-1A1



Viewing

