

iBOX-210

Fanless Embedded BOX PC



IoT Solutions
Alliance

ASRock
— Industrial —



Expansion Slot

mini-PCIe/ mSATA	1 x Full size (Supports PCIe x1 and USB 2.0, shared with m-SATA)
mini-PCIe	1 x Full/ half size(Supports PCIe x1 and USB 2.0)
M.2	N/A
SIM Socket	N/A

Audio

Interface	Realtek ALC887, High Definition Audio. Line-out,Mic-in
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Ethernet

Controller/ Speed	2 x Realtek RTL8111G-CG with 10/100/1000 Mbps
Connector	2 x RJ-45

Storage

M.2	N/A
mSATA	1 x Full size (Supports PCIe x1 and USB 2.0, shared with m-SATA)
SATA	1 x SATA2 (3Gb/s)
eMMC	N/A

Front I/O

HDMI	N/A
DisplayPort	N/A
USB	2 x USB 2.0
COM	1 x COM (RS-232/422/485), 1 x COM (RS-232)
Audio	N/A

Rear I/O

HDMI	1 x HDMI 1.2a
DisplayPort	N/A
VGA	1
DVI	N/A
Ethernet	2 x 1 Gigabit LAN
USB	2 x USB 3.1 (Gen1)
Audio	1 (Line-out)
COM	N/A
PS2	N/A

KEY FEATURES

- Intel® Celeron® Processor J1900
- 2 x 204-pin SO-DIMM up to 8GB DDR3L 1333MHz (4GB per DIMM)
- 2 x USB 3.1 Gen1, 2 x USB 2.0, 1 x mini-PCIe/mSATA, 1 x mini-PCIe, 2 x COM, 1 x SATA3
- 2 x Realtek 1 Gigabit LAN
- Supports dual display, 1 x HDMI 1.2a, 1 x VGA
- 1 x 19V/65W AC-DC power brick adapter
- 200 x 134.5 x 39mm, Fanless Barebone

SPECIFICATIONS

Processor System

CPU	Intel® Celeron® Processor J1900, QC, up to 2.42 GHz
Chipset	SoC
Socket	FCBGA1170
BIOS	AMI SPI 64 Mbit

Memory

Technology	Dual Channel DDR3L 1333 MHz
Capacity	8GB (4GB per DIMM)
Socket	2 x 204-pin SO-DIMM

Graphics

Controller	Integrated Intel® Gen7 Intel® Graphics DX 11, OGL3.2
HDMI	HDMI 1.2a, max resolution up to 1920 x 1200@24Hz
DisplayPort	N/A
VGA	Max resolution up to 1920x1200@60Hz
LVDS	N/A
eDP	N/A
DVI	N/A
MultiDisplay	Dual Display

Watchdog Timer

Output	From Super I/O to drag RESETCON#
Interval	256 Segments, 0, 1, 2, ...255sec

Power Requirements

Input PWR	1 x 19V/65W AC-DC power brick adapter
Power On	AT/ATX Supported - AT : Directly PWR on as power input ready - ATX : Press button to PWR on after power input ready

Environment

Operating Temp	0°C ~ 50°C
Storage Temp	-40° C ~ 85° C
Operating Humidity	10% ~ 90%
Storage Humidity	10% ~ 90%

Mechanical

Construction	Aluminum housing
Mounting	VESA mounting
Dimensions (W x H x D)	200 x 134.5 x 39mm
Weight	Net Weight:1.3kg

Others

OS Support	Windows 7
TPM	N/A
Certifications	CE, FCC Class A
Packing List	1 x 19V/65W Power Adapter 1 x Screw Package 1 x Product DVD 1 x VESA mounting bracket

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.

Assured Systems

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