

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

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

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

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

Assured Systems

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US

sales@assured-systems.com

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660