

I BOX-316

Fanless Embedded BOX PC



IoT Solutions
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KEY FEATURES

- Intel® Braswell SoC Processor
- 2 x 204-pin SO-DIMM up to 16GB DDR3L 1600 MHz (8GB per DIMM)
- 1 x mini-PCIe , 3 x USB 3.1 Gen1 , 1 x USB 3.1 Gen1 Type C , 1 x mSATA, 1 x SATA3
- 1 x Realtek LAN RTL8111G
- Supports triple display, 2 x HDMI 1.4 , 1 x DP 1.2
- 1 x 12V/60W AC-DC power brick adapter
- 135 x 110 x 44.5mm, Fanless Barebone

SPECIFICATIONS

Processor System

CPU	Intel® Braswell SoC Processor N3160-NUC IPC (N3160, QC, up to 2.24 GHz)
Chipset	SoC
Socket	N/A
BIOS	AMI SPI 64 Mbit

Memory

Technology	Dual Channel DDR3L 1600 MHz
Capacity	16 GB (8 GB per DIMM)
Socket	2 x 204-pin SO-DIMM

Graphics

Controller	Intel® Gen8 Intel® Graphics DX 11, OGL3.2
HDMI	HDMI 1.4a Max resolution up to 3840x2160@30Hz
DisplayPort	DisplayPort 1.1a Max resolution up to 3840x2160@30Hz
VGA	N/A
LVDS	N/A
eDP	N/A
DVI	N/A
MultiDisplay	Triple Display

Expansion Slot

mini-PCIe/ mSATA	N/A
mini-PCIe	1 x Half size with PCIe x1 and USB 2.0
M.2	N/A
SIM Socket	N/A

Audio

Interface	Realtek ALC233, High Definition Audio. Mic-In, Line-Out
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Ethernet

Controller/ Speed	1 x Realtek RTL8111G with 10/100/1000 Mbps
Connector	1 x RJ-45

Storage

M.2	N/A
mSATA	1 x Full size with SATA3
SATA	1 x SATA3 (6Gb/s)
eMMC	N/A

Front I/O

USB	1 x USB3.1 (Gen1, TypeC) 1 x USB3.1 (Gen1)
Audio	1 x (Mic-In & Line-Out)
Others	IR Receiver

Rear I/O

HDMI	2 x HDMI 1.4
DisplayPort	1 x DP 1.2
VGA	N/A
DVI	N/A
Ethernet	1 x 1 Gigabyte LAN
USB	2 x USB3.1 (Gen1)
Audio	N/A
COM	N/A
PS2	N/A
DC Jack	1

Watchdog Timer

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

Power Requirements

Input PWR	1 x 12V/36W 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	Top cover -aluminum extrusion/ Base- metal
Mounting	VESA mounting bracket
Dimensions (W x H x D)	135 x 110 x 44.5mm (WxDxH)
Weight	Net Weight: 1.9kg

Others

OS Support	Windows 7/10
TPM	N/A
Certifications	CE, FCC Class A
Packing List	1 x 12V/36W Power Adapter 1 x VESA mounting bracket 1 x Screw Package 1 x Product DVD

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