

## NUC BOX 3160/ NUC BOX3010

Faned Embedded BOX PC



IoT Solutions  
Alliance

**ASRock**  
— Industrial —



### KEY FEATURES

- Intel® Braswell SoC Processor
- 2 x 204-pin SO-DIMM up to 16GB DDR3L 1600 MHz ( 8GB per DIMM )
- 1 x M.2 Key E, 3 x USB 3.1 Gen1, 1 x USB 3.1 Gen1 Type C, 1 x mSATA, 1 x SATA3
- 1x Realtek LAN RTL8111G
- Supports triple display, 2 x HDMI1.4, 1 x DP1.2
- 1 x 12V/36W AC-DC power brick adapter
- 110 x 118.5 x 46mm, Faned Barebone

### SPECIFICATIONS

Processor System	NUC BOX 3010	NUC BOX 3160
CPU	Intel® Braswell SoC Processor N3010, DC, 1.04 GHz, 4W	N3160, QC, 1.60 GHz, 6W
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	N/A
M.2	1 x M.2 (Key E, 2230) with PCIe x1, USB 2.0 for Wireless
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 HDMI1.4
DisplayPort	1 x DP 1.2
VGA	N/A
DVI	N/A
Ethernet	1 x 1 Gigabit LAN
USB	2 x USB3.1 (Gen1)
Audio	N/A
COM	N/A
PS2	N/A
DC Jack	1

### Watchdog Timer

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

Input PWR	12V DC-In (DC Jack)
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 ~ 40°C
Storage Temp	-40°C ~ 85°C
Operating Humidity	5% ~ 90%
Storage Humidity	5% ~ 90%

### Mechanical

Construction	Plastic
Mounting	VESA mounting bracket
Dimensions (W x H x D)	110 x 118.5 x 46mm (WxDxH)
Weight	Net Weight: 0.5kg

### Others

OS Support	Windows 7/10
TPM	N/A
Certifications	CE, FCC Class A
Packing List	1 x 12V/36W AC-DC power brick adapter 1 x VESA mounting bracket 1 x Screw Package 1 x Product DVD

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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