

NUC BOX 3160/ NUC BOX3010

Faned Embedded BOX PC



IoT Solutions
Alliance

ASRock
— Industrial —



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 |
|-----------|---|

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 |
|-----------------|--|

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 |

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 |

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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