

# NUC BOX 6100

Embedded BOX PC



IoT Solutions  
Alliance

**ASRock**  
— Industrial —



### Expansion Slot

PCIe	N/A
PCI	N/A
mini-PCIe	N/A
M.2	1 x M.2 (Key E, 2230) with PCIe x1 and USB 2.0 for Wireless
SIM Socket	N/A

### Audio

Interface	Realtek ALC283HD, High Definition Audio. Line-out, Mic-in.
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### Ethernet

Controller/ Speed	1 x Intel® I219V, with 10/100/1000 Mbps
Connector	1 x RJ-45

### Storage

M.2	1 x M.2 (Key M, 2260/2280) with PCIe4 and SATA3
mSATA	N/A
SATA	1 x SATA3 (6Gb/s)
eMMC	N/A

### Front I/O

HDMI	N/A
DisplayPort	N/A
USB	1 x USB 3.1, 1 x USB 3.1 TypeC
Audio	1 (Mic-in, Line-out)
Others	1 x IR receiver

### Rear I/O

HDMI	1 x HDMI2.0 + 1 x HDMI1.4b
DisplayPort	1 x DP 1.2a, DP++
VGA	N/A
DVI	N/A
Ethernet	1 x 1 Gigabit LAN
USB	2 x USB 3.0
Audio	N/A
COM	N/A
PS2	N/A

## KEY FEATURES

- Intel® 6<sup>th</sup> Gen (Skylake-U) Core™ MCP Processors
- 2 x 260-pin SO-DIMM up to 32GB DDR4 2133 MHz (16GB per DIMM)
- 3 x USB 3.1, 1 x USB 3.1(TypeC), 1 x IR, 1 x M.2 Key E,
- 1 x M.2 Key M, 1 x SATA3
- 1 x Intel 1 Gigabit LAN
- Support Dual display, (HDMI2 + DP or HDMI1 + HDMI2)
- 1 x 19V/65W AC-DC power brick adapter
- 110 x 118.5 x 46mm, Faned Barebone

## SPECIFICATIONS

### Processor System

CPU	Intel® 6 <sup>th</sup> Gen (Skylake-U) Core™ MCU Processors
Chipset	MCP
Socket	N/A
BIOS	AMI SPI 128 Mbit

### Memory

Technology	Dual Channel DDR4 2133 MHz
Capacity	32GB (16 GB per DIMM)
Socket	2 x 260-pin SODIMM

### Graphics

Controller	Intel® HD Graphics 520
HDMI	HDMI1: HDMI 2.0 Max resolution up to 4096x2160 @60Hz HDMI2: HDMI 1.4b Max resolution up to 4096x2160 @30Hz
DisplayPort	DisplayPort 1.2a, DP++ Max resolution up to 4096x2160@60Hz
VGA	N/A
LVDS	N/A
eDP	N/A
DVI	N/A
MultiDisplay	Dual Display, supports HDMI 2 + DP or HDMI 1 + HDMI 2

### Watchdog Timer

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

### Power Requirements

Input PWR	19V DC in
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	10% ~ 90%
Storage Humidity	10% ~ 90%

### Mechanical

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

### Others

OS Support	Windows 7/10
TPM	TPM 2.0 onboard IC
Certifications	CE, FCC Class A
Packing List	1 x 19V/65W AC-DC power brick 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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