

NUC BOX 6100

Embedded BOX PC



IoT Solutions Alliance

ASRock Industrial



KEY FEATURES

- Intel® 6th 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), 1x 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 th 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

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 PCIex4 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

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