

# uBOX-115

Fanless Embedded BOX PC



IoT Solutions  
Alliance

**ASRock**  
— Industrial —



### Expansion Slot

M.2	1 x M.2 (KEY E, 2230) with PCIe x1 and USB 2.0 for Wireless
SIM Socket	1 x Socket connected to M.2 Key_B

### Audio

Interface	Realtek ALC233, High Definition Audio
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### Ethernet

Controller/ Speed	2 x Realtek RTL8111G with 10/100/1000 Mbps
Connector	2 x RJ-45

### Storage

M.2	1 x M.2 (KEY B, 3042) with USB 2.0 + SATA/PCIe x2 + SIM for 4G
mSATA	N/A
SATA	N/A
eMMC	32GB/64GB

### Front I/O

HDMI	2 x HDMI 1.4b
DisplayPort	N/A
USB	2 x USB 3.1 (Gen1)
Audio	1 (Mic-in, Line-out)
DC Jack	1

### Rear I/O

HDMI	N/A
DisplayPort	N/A
VGA	N/A
DVI	N/A
Ethernet	2 x 1 Gigabit LAN
USB	1 x USB 2.0
Audio	N/A
COM	N/A
PS2	N/A

## KEY FEATURES

- Intel® Apollo Lake SoC Processor
- 2 x 204-pin SO-DIMM up to 16GB DDR3L 1866 MHz (8GB per DIMM)
- 2 x USB 3.1 Gen1, 1 x USB 2.0, 1 x M.2 Key E, 1 x M.2 Key B
- 2 x Realtek 1 Gigabit LAN
- Supports dual display, 2 x HDMI 1.4b
- 1 x 12V/60W AC-DC power brick adapter
- 135 x 116 x 25.4mm, Fanless Barebone

## SPECIFICATIONS

### Processor System

CPU	Intel® Apollo Lake SoC Processor - uBOX-115J (J3455, QC, up to 2.30 GHz) - uBOX-115D (N4200, QC, up to 2.50 GHz) - uBOX-115L (N3350, DC, up to 2.40 GHz)
Chipset	SoC
BIOS	AMI SPI 128 Mbit

### Memory

Technology	Dual Channel DDR3L 1866 MHz
Capacity	16 GB (8GB per DIMM)
Socket	2 x 204-pin SO-DIMM

### Graphics

Controller	Intel® Gen9 Graphics DX 12
HDMI	HDMI 1.4b Max resolution up to 4096 x 2160@24Hz
DisplayPort	N/A
VGA	N/A
LVDS	N/A
eDP	N/A
DVI	N/A
MultiDisplay	Dual Display

### Watchdog Timer

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

### Power Requirements

Input PWR	12V/60W 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	5% ~ 90%
Storage Humidity	5% ~ 90%

### Mechanical

Construction	Aluminum housing
Mounting	VESA mounting bracket
Dimensions (W x H x D)	135 x 116 x 25.4mm
Weight	Net Weight:0.5kg

### Others

OS Support	Windows 10
TPM	N/A
Certifications	CE, FCC Class A
Packing List	1 x 12V/60W Power Adapter 1 x VESA mounting bracket 1 x Screw Package 1 x Product DVD

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.

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