



### 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

#### 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

#### 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