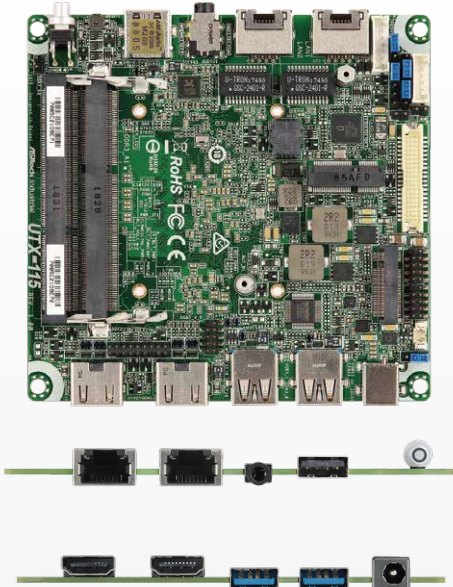


Preliminary

UTX-115

Mini-ITX Motherboard



Spotlight Features

- Intel® Apollo Lake SoC Processor
 - UTX-115D(N4200)
 - UTX-115J(J3455)
 - UTX-115L(N3350)
- Supports Dual Channel DDR3L SO-DIMM 1867, up to 8GB
- 2 x HDMI, 1 x LVDS
- 2 x USB 3.1, 1 x USB 2.0, 1 x COM
- 1 x M.2 (KEY E), 1 x M.2 (KEY B)
- 2 x Realtek LAN
- 1 x TPM Header
- +12V DC-In (4-pin ATX PWR Con)

Specifications

Processor System

Dimensions	111.76x116.84 mm
CPU	Intel® Apollo Lake SoC Processor -UTX-115D(N4200,QC,1.10GHz,6W) -UTX-115J(J3455, QC,1.10GHz,6W) -UTX-115L(N3350,DC,1.10GHz,6W)
Chipset	SOC

Expansion Slot

M.2	1 x M.2 (KEY E, 2230) with PCIe x1 and shared USB2.0 for Wireless 1 x M.2 (KEY B, 3042) with shared USB 2.0+ SATA/PCIex2 + SIM for 4G
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Memory

Technology	Dual Channel DDR3L 1867MHz
Max	8 GB

Graphics

LVDS	Dual Channel 24-bit, max resolution up to 1920x1200@60Hz
eDP	N/A
HDMI	Supports max resolution up to 4096 x 2160@24Hz
DVI	N/A
DisplayPort	N/A
Multi Display	Triple Display

Ethernet

Interface	10/100/1000 Mbps
Controller	2 x Realtek RTL8111H

Rear I/O

HDMI	2
DisplayPort	N/A
Ethernet	2
USB	2x USB3.1, 1x USB2.0
Audio Jack	1 x Audio combo jack
Serial	N/A
PS/2	N/A
eDP	N/A
VGA	N/A

Internal Connector

Serial	1 x COM (RS-232/422/485)
Parallel	1 (shared with GPIO)
eMMC	32G/64G
LVDS	1
TPM	1 x TPM Header
SIM	1 x Socket connected to M.2 Key B

Watchdog Timer

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

Power Requirements

Input PWR	+12V DC-In (4-pin ATX PWR Con)
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 Temperature	0°C – 60°C
Storage Temperature	-40°C – 85°C