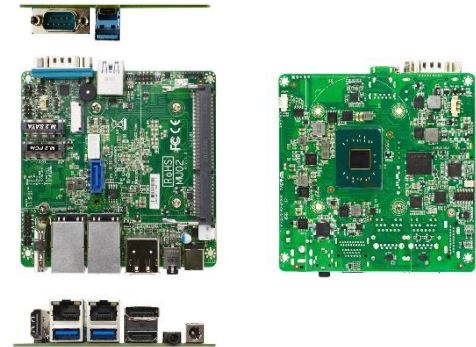


MU02 Series

Intel® Apollo Lake Processor Motherboard with 64GB onboard eMMC, support 3 Independent Display outputs (2 HDMI, 1* DP)*

1. Intel® Apollo Lake J3455 SoC Processor
2. 1* DDR3L 1866MHz SODIMM up to 8GB
3. 2* Realtek RTL8125BS 2.5GbE
4. 64GB eMMC onboard (default)
5. Support Intel AES NI and TPM2.0 to secure customers' data
6. 1* EXT USB Type-C, 3* EXT USB3.0, 1* Line-out/MIC combo, 2* HDMI, 1* DP
7. 1* M.2 M-key 2242, 1* M.2 E-key 2230 slot
8. 12V DC-in power



Overview

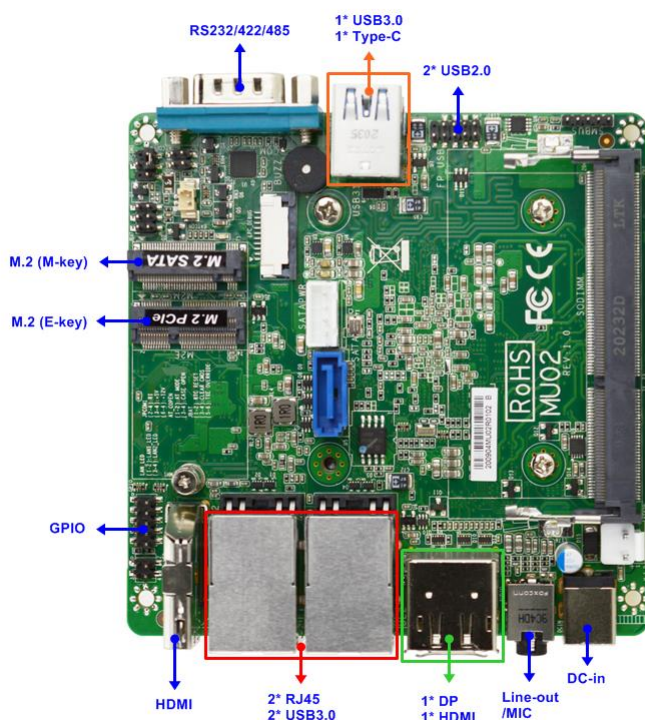
The JETWAY MU02 Series adopts the Intel® Apollo Lake J3455 SoC processor. The board has one 204-pin DDR3L 1866MHz SODIMM up to 8GB memory. MU02 Series equipped with 2 * HDMI and 1 * DP for IoT applications. Intel® Apollo Lake J3455 SoC processor support AES-NI which is a new hardware encryption instructions to improves on the AES algorithm and accelerates the encryption of data. MU02 Series support TPM feature to secure customers' data.

In addition, it offers 1 * USB Type-C, 3 * USB3.0 & 2 * 2.0 ports which can connect different peripherals, e.g. camera and sensor. It is flexible expansion via M.2 E-key and one RS232/422/485 port. For storage selection, MU02 Series provides 64GB onboard eMMC, an internal M.2 M-key slot and SATAIII connector. In addition, MU02 Series board size is 101*101mm and is a SubCompact, powerful and energy efficient NUC form factor board with reliable performance.

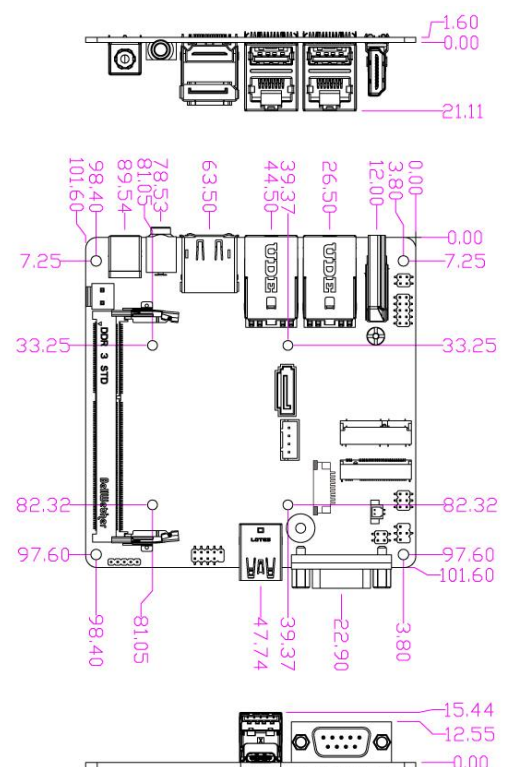
Application

Digital Signage / Cloud Applications / IoT / Industrial Automation

I/O Diagram



Mechanical Drawings (Unit = mm)



Specifications

Model	Form Factor
<ul style="list-style-type: none">MU02-04MU02-08 (W/TPM2.0)	NUC (101 * 101mm)
Processor System	Expansion Slot
<ul style="list-style-type: none">Intel® Apollo Lake J3455 SoC Processor (TDP 10W)AMI Flash ROM BIOS	1* M.2 E-key (2230) Support PCIe x1/USB2.0 interface
Memory	Graphics
1* SO-DIMM DDR3L 1866MHz Dual CH SDRAM up to 8GB	<ul style="list-style-type: none">Intel® HD Graphics, shared memory1* DP (Max Resolution: 4096x2160@60Hz)2* HDMI (Max Resolution: 3840x2160@30Hz)
Ethernet	Audio
2* Realtek RTL8125BS 2.5GbE	Dual channel HD audio: Realtek® ALC888S
Storage	Integrated Storage
<ul style="list-style-type: none">64GB onboard eMMC1* SATAIII1* M.2 M-key (2242) Support SATAIII interface	N/A
External I/O	Internal Connector
<ul style="list-style-type: none">1* USB Type-C (front)3* USB 3.0 (1 * front & 2 * rear)2* HDMI (rear)1* DP (rear)2* RJ45 (rear)1* RS232/422/485 (front)Line-out/MIC Combo (rear)12V DC-in	<ul style="list-style-type: none">2* USB2.01* SATAIII1* GPIO (8 bit)1* SMBUS1* Chassis intrusion1* TPM2.0 onboard (MU02-07 only)
Watchdog Timer	Power
<ul style="list-style-type: none">From Super I/O to drag RESETCON#256 segments (10sec ~ 255min)	DC-IN 12V AT/ATX mode Supported - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready
Compliance	Temperature
CE, FCC, LVD, RoHS, REACH	<ul style="list-style-type: none">Operating: 0°C ~ 60°CStorage: -20°C ~ 85°CHumidity: 10% ~ 90% RH @40°C (non-condensing)
Warranty	

2 Years Limited Warranty

* Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.

Standard Accessories

Parts Number	Description	Parts Number	Description
-----	MU02 Series M/B	G01-SATA3-BL-1F	1* SATA cable
G01-PW4PS2S-322-1F	1* SATA Power Y cable	F07-FNJNU93-F	1* NUC 3pin FAN