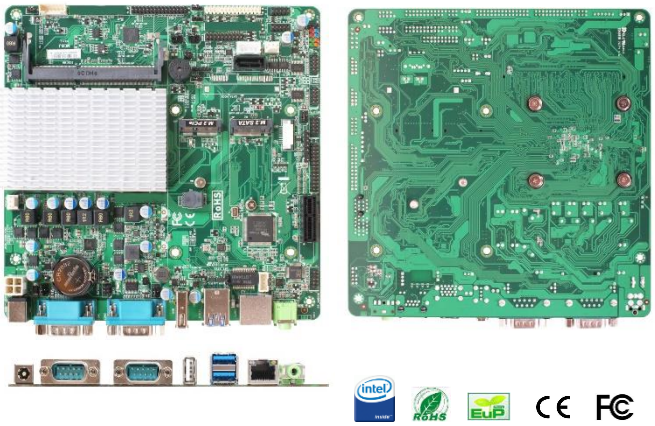
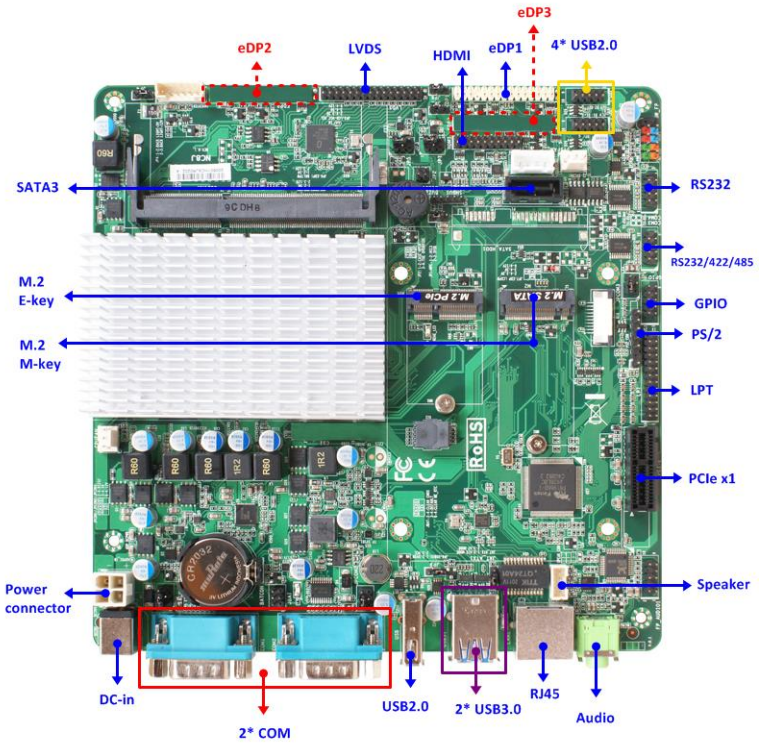
JNC8J-I3455 Series

Intel® Apollo Lake J3455 SoC, DDR3L up to 8GB, support 12V DC-in

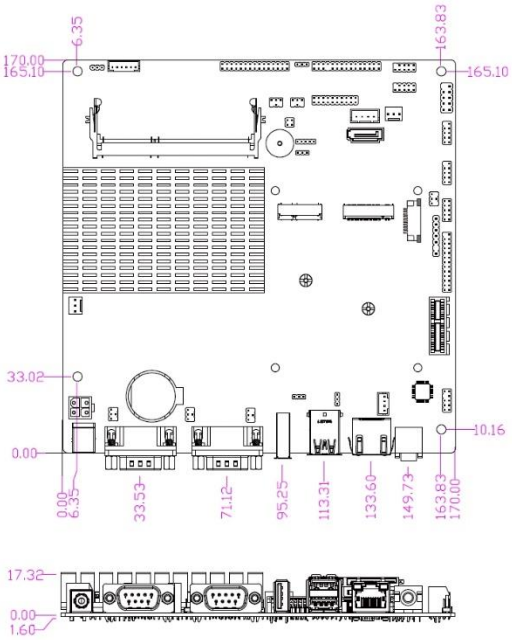
1. Intel® Apollo lake J3455 SOC (Co-lay N3350)
2. Onboard Intel® J3455 1.5GHz Quad Cores CPU
3. Onboard 32G eMMC (JNC8J-I3455D)
4. 1* DDR3L/1866 SO-DIMM up to 8GB
5. 1* PCIe x1, 1* M.2 E-key, 1* M.2 M-key
6. 4* COM (COM1/2/3 support 5/12V TTL), 2* USB3.0, 5* USB2.0, 1* GbE
7. Support HDMI + LVDS + eDP
8. Support Slim hard drive design
9. Onboard 12V DC-in
10. Thin Mini ITX Form Factor (170mm x170mm)



I/O Diagram



Mechanical Drawings (Unit = mm)



Specifications

Model
- JNC8J-I3455
- JNC8J-I3455D (onboard 32G eMMC)

Form Factor
Mini-ITX (6.69-in * 6.69-in, 170 * 170mm)

Processor System
- Onboard Intel® J3455 1.5GHz (Turbo 2.3GHz) Quad Cores CPU
- Apollo lake J3455 SoC chipset
- Onboard 32G eMMC (JNC8J-I3455D)
- AMI 128M Flash ROM

Expansion
- 1* M.2 (E Key)
- 1* M.2 (M key, 2242 for SSD)
- 1* PCIe x1

Memory
1* DDR3L 1866MHz SO-DIMM up to 8GB

Graphics
- Intel® HD Graphics 500, shared memory
- 1* eDP (Max Resolution: 4096x2160 @60Hz)
- 1* LVDS (Max Resolution: 2560x1600@60Hz, Co-lay eDP2)
- 1* HDMI1.4 (Max Resolution: 3840x2160@30Hz, Co-lay eDP3)
- Support Triple Displays

Ethernet
1* Realtek® RTL8111G GbE

Audio
- HD audio: Realtek ALC662
- FP_AUDIO, 3W Amplifier Speaker out

SATA
1* SATAIII (6.0Gb/s)

Rear I/O
- 1* RJ45
- 2* USB3.0
- 1* USB2.0
- 1* Line-out
- 2* COM (RS232, support 5/12V TTL)
- 1* DC-in

Internal Connector
- 4* USB 2.0
- 1* PS/2
- 1* LVDS / Inverter (Co-lay eDP2)
- 1* eDP
- 1* HDMI (Co-lay eDP3)
- 1* RS232/422/485 supports 5/12V TTL (COM3)
- 1* RS232 (COM4)
- 1* M.2 E-key (2230)
- 1* M.2 M-key (2242, SATA)
- 1* Parallel
- 1* GPIO (8bit, 5V)
- 1* Audio Header
- 1* speaker (3W Amplifier)
- 1* SMBUS
- 1* AT mode

Watchdog Timer
- From Super I/O to drag RESETCON#
- 256 segments (0 ~ 255sec)

Power
12V DC-in, AT/ATX Supported
- AT: Directly PWR on as Power input ready
- ATX: Press Button to PWR on after Power input ready

Compliance
CE, FCC, RoHS, REACH

Temperature
- Operating: -10°C ~ 60°C
- Storage: -20°C ~ 70°C
- Humidity: 10% ~ 90% RH @40°C (non-condensing)

OS Support
Windows 10, Linux

Warranty
2 Years Limited Warranty

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

Accessories

Parts Number	Description	Parts Number	Description
----------	JNC8J Series	LCSCJNL70-F	Screw pack
G01-2X10A-HDMI-1F	HDMI Cable	G01-XH4-4P-22-F	SATA Power Cable
G01-SATA-BK-B-2F	SATA Cable		

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