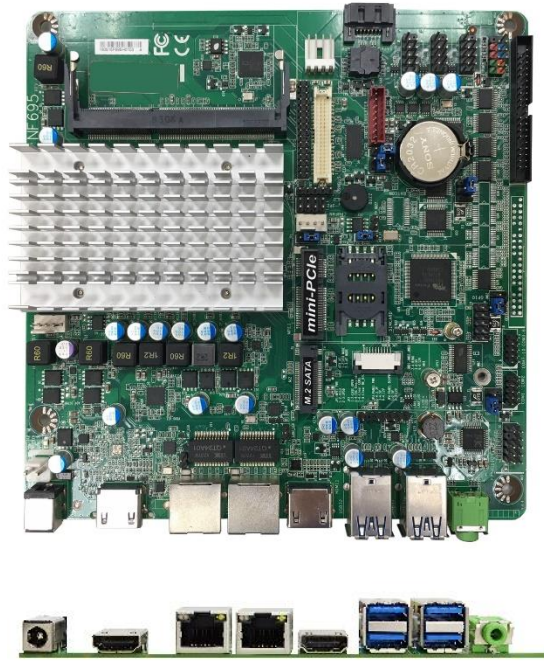


## JNF695C6-3455

**Slim Mini-ITX Embedded Motherboard with Intel® Apollo Lake SoC Processor, DDR3L up to 8GB, support 4K display output**



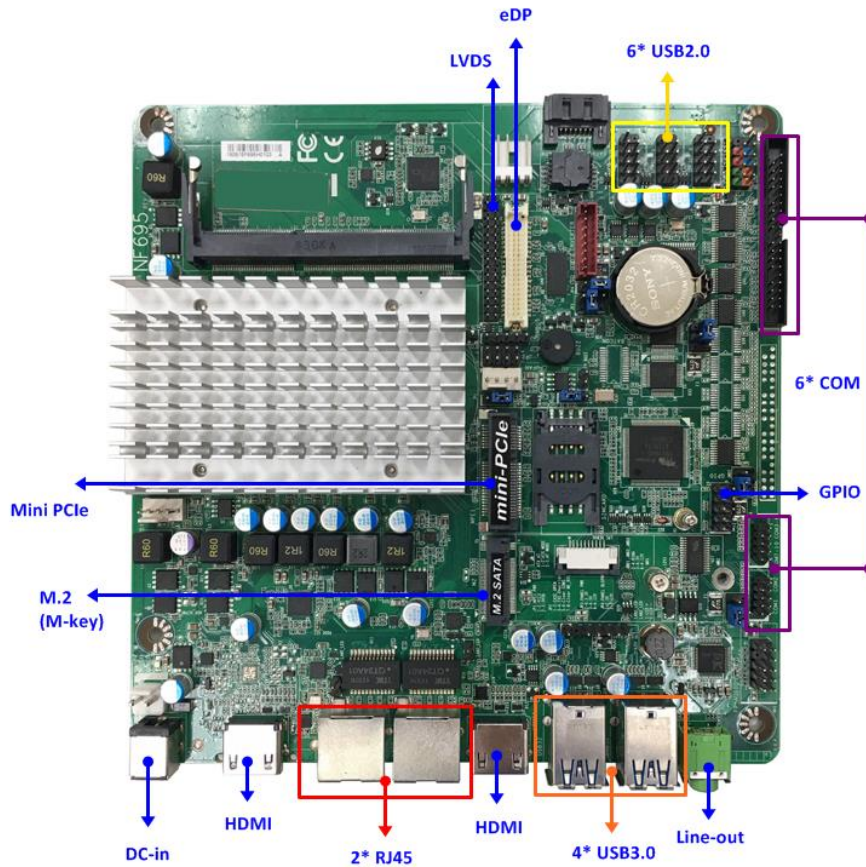
### Features

1. Intel® Apollo Lake SoC Processor
2. 1 \* DDR3L 1866MHz SODIMM Up to 8GB
3. HDMI / LVDS / eDP, support triple displays
4. 6 \* COM, 4 \* USB3.0, 6 \* USB2.0, 2 \* GbE
5. 1\* Mini PCIe slot, 1 \* SIM card holder
6. Support 1 \* SATA III (6Gb/s), 1 \* M.2 (M-key, 2242/2260)
7. 12V DC-in power

### Application

- Digital Signage
- POS
- KIOSK
- Industrial Automation
- Panel PC

## Internal Diagram



## Specifications

|                         |  |
|-------------------------|--|
| <b>Model</b>            | <b>JNF695C6-3455</b>                           |
| <b>Form Factor</b>      |  |
| Dimensions              | - Slim Mini-ITX (6.7-in * 6.7-in, 170 * 170mm) |
| <b>Processor System</b> |  |
| CPU                     | - Intel® Apollo Lake J3455 SoC Processor       |
| Core Number             | - 4  |
| Max Speed               | - 2.30GHz                                      |
| L2 Cache                | - 2MB  |
| Chipset                 | - SoC  |
| BIOS                    | - AMI Flash ROM                                |
| <b>Expansion Slot</b>   |  |
| Mini-PCIe               | - 1 (full size)                                |
| M.2                     | - 1 (M-key, 2242/2260)                         |
| SIM Card Holder         | - 1  |
| <b>Memory</b>           |  |
| Technology              | - DDR3L 1866MHz SDRAM                          |

|                           |  |
|---------------------------|--|
| Max.                      | - 8GB  |
| Socket                    | - 1 * SO-DIMM  |
| <b>Graphics</b>           |  |
| Controller                | - Intel® HD Graphics   |
| VRAM                      | - Shared Memory  |
| LVDS                      | - 1 (Max. Resolution: 1920 * 1200@60Hz, selectable with eDP, not working while using LVDS) |
| eDP                       | - 1 (Max Resolution: 4096×2160@60Hz, selectable with LVDS, not working while using eDP)    |
| HDMI 1.4                  | - 2 (Max. Resolution: 3840 * 2160@30Hz)  |
| Multi Display             | - Triple Displays  |
| <b>Ethernet</b>           |  |
| Ethernet                  | - 10/100/1000 Mbps   |
| Controller                | - 2 * Realtek 8111H GbE  |
| Connector                 | - 2 * RJ45   |
| <b>Audio</b>              |  |
| CODEC                     | - HD Audio: Realtek ALC662VD   |
| Channel                   | - Line-out   |
| <b>SATA</b>               |  |
| Max Transfer Rate         | - 1 * SATAIII (6Gb/s)  |
| <b>Rear I/O</b>           |  |
| HDMI                      | - 2  |
| Ethernet                  | - 2  |
| USB                       | - 4 * USB 3.0  |
| Audio                     | - 1 (Line-out)   |
| DC-input                  | - 1  |
| <b>Internal Connector</b> |  |
| USB                       | - 6 * USB 2.0  |
| PS/2                      | - 1  |
| LVDS / inverter           | - 1 (Selectable with eDP, not working while using LVDS)                                    |
| eDP                       | - 1 (Selectable with LVDS, not working while using eDP)                                    |
| Serial                    | - 6 (COM1 support RS232/422/485)   |
| SATA                      | - 1 * SATAIII  |
| mPCIe                     | - 1 (full size)  |
| SIM card holder           | - 1  |
| M.2                       | - 1 (M-key, 2242/2260)   |
| GPIO                      | - 1 (8 bit)  |
| Chassis intrusion         | - 1  |

|                           |   |
|---------------------------|---|
| Audio Header              | - 1   |
| SMBUS/ I2C                | - 1   |
| AT mode                   | - 1   |
| TPM 2.0                   | - 1 (onboard option)  |
| Other                     | - 0   |
| <b>Watchdog Timer</b>     |   |
| Output                    | - From Super I/O to drag RESETCON#  |
| Interval                  | - 256 segments (10sec ~ 255min)   |
| <b>Power Requirements</b> |   |
| Input PWR                 | - 12V DC-in   |
| Power On                  | AT/ATX Supported<br>- AT: Directly PWR on as Power input ready<br>- ATX: Press Button to PWR on after Power input ready |
| <b>Certifications</b>     |   |
| Certifications            | - CE, FCC, LVD, RoHS, REACH   |
| <b>Environment</b>        |   |
| Temperature               | - Operating: 0°C ~ 60°C (with 0.7m/s air flow)<br>- Storage: -20°C ~ 85°C   |
| <b>Warranty</b>           |   |
| Warranty                  | - 2 Years Limited Warranty  |

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

## Accessories

| Part Number      | Description       |
|------------------|-------------------|
|                  | JNF695C6-3455 M/B |
| G01-COM-H2M22-1F | 2 * COM cable     |
| G01-COM9X4-40A-F | 4 * COM cable     |
| F04-MB-069-F     | I/O Shield        |