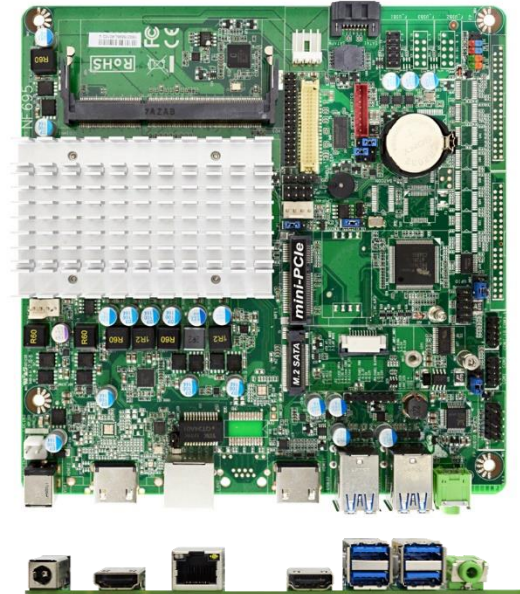


JNF695 Series

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

JNF695HV**JNF695L**

Overview

The JETWAY JNF695 series are Thin Mini-ITX form factor board adopts the Intel® Apollo Lake SoC Processor. The board supports DDR3L 1866MHz SODIMM memory, up to 8GB. Featuring the integrated Realtek Gigabit Ethernet controller, the JNF695 offers 10/100/1000Base-TX Ethernet devices for network transmission. SATAIII (6Gb/s) interface and one M.2 (M-key, 2242/2260) offer storage devices. One Mini PCIe interface, four USB3.0 ports, two to six USB2.0 ports and two to ten COM ports provide versatile expansion. The JNF695 offers eDP interface which can support max. 4K@60Hz resolution. Because of the above features, JNF695 is one of the best selections for digital signage and automation applications.

Features

1. Intel® Apollo Lake SoC Processor
2. 1 * DDR3L 1866MHz SODIMM Up to 8GB
3. 1/2* 10/100/1000 Base-TX Ethernet Ports
4. Support HDMI / VGA / LVDS / eDP display selection
5. 2/10 * COM, 4 * USB3.0 & 2/6 * USB2.0
6. 1* Mini PCIe slot & 1 * SIM card holder
7. Support 1 * SATA III (6Gb/s) & 1 * M.2 (M-key, 2242/2260)
8. 12V DC-in power

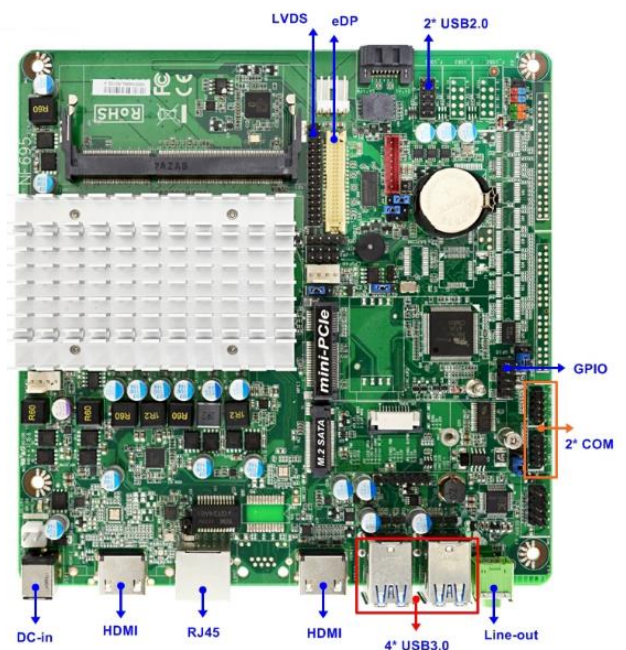
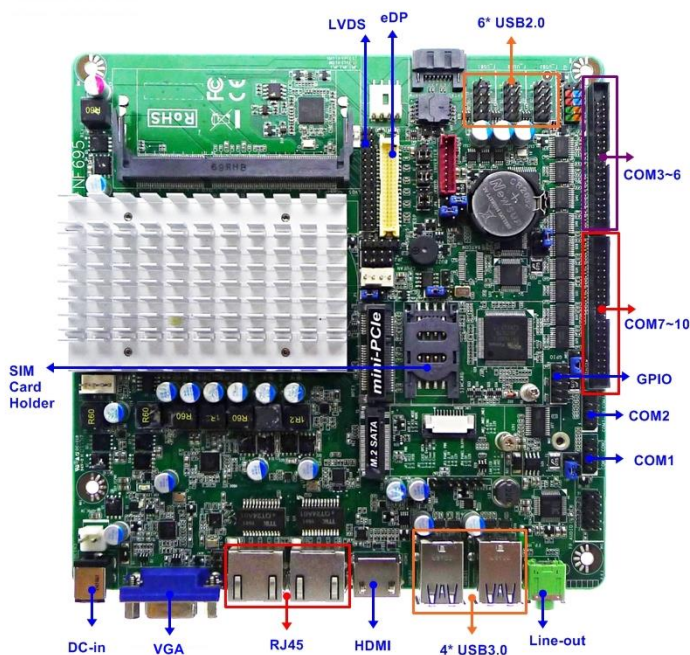
Application

- Digital Signage
- POS
- Industrial Automation

Internal Diagram

JNF695HV

JNF695L



Specifications

Model	JNF695HV-3455	JNF695L-3455
Form Factor		
Dimensions	- Mini-ITX (6.7-in * 6.7-in, 170 * 170mm)	
Processor System		
CPU	- Intel® Apollo Lake SoC Processor (Default is J3455)	
Core Number	- 4	
Max Speed	- 2.30GHz	
L2 Cache	- 2MB	
Chipset	- SoC	
BIOS	- AMI Flash ROM	
Expansion Slot		
PCI	- 0	
Mini-PCIe	- 1 (full size)	
mSATA	- 0	
PCIe	- 0	
M.2	- 1 (M-key, 2242/2260)	
CFast Card Socket	- 0	
CF Card Socket	- 0	
SIM Card Holder	- 1	- 0
Memory		
Technology	- DDR3L 1866MHz SDRAM	
Max.	- 8GB	
Socket	- 1 * SO-DIMM	
Graphics		
Controller	- Intel® HD Graphics	
VRAM	- Shared Memory	
VGA	- 1	- 0
LVDS	- 1 (Selectable with eDP, not working while using LVDS)	
eDP	- 1 (Max Resolution: 4096x2160@60Hz) (Selectable with LVDS, not working while using eDP)	
HDMI 1.4	- 1	- 2
DVI-D	- 0	
DisplayPort	- 0	
Multi Display	- Triple Displays	- Triple Displays
Ethernet		

Ethernet	- 10/100/1000 Mbps	
Controller	- 2 * Realtek 8111G GbE	- 1 * Realtek 8111G GbE
Connector	- 2 * RJ 45	- 1 * RJ 45
Audio		
CODEC	- HD Audio: Realtek ALC662VD	
Channel	- Line-Out	
SATA		
Max Transfer Rate	- 1 * SATAIII (6Gb/s)	
Rear I/O		
VGA	- 1	- 0
DVI-D	- 0	
HDMI	- 1	- 2
DisplayPort	- 0	
Ethernet	- 2	- 1
USB	- 4 * USB 3.0	
Audio	- 1 (Line-out)	
Serial	- 0	
eSATA	- 0	
PS/2	- 0	
DC-input	- 1	
Internal Connector		
USB	- 6 * USB 2.0	- 2 * 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)	
VGA	- 0	
Serial	- 10 (COM1 support S232/422/485)	- 2
SATA	- 1 * SATAIII	
mPCIe	- 1 (full size)	
SIM card holder	- 1	- 0
Parallel	- 0	
mSATA	- 0	
M.2	- 1 (M-key, 2242/2260)	
GPIO	- 1 (8 bit)	
Chassis intrusion	- 1	
Audio Header	- 1	

SMBUS/ I2C	- 1
AT mode	- 1
TPM	- 1 (1.2/2.0 option)
Other	- 0
Watchdog Timer	
Output	- From Super I/O to drag RESETCON#
Interval	- 256 segments (10sec ~ 255min)
Power Requirements	
Input PWR	- 12V DC-in
Power On	AT/ATX Supported - AT : Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready
Certifications	
Certifications	- CE, FCC, LVD, RoHS, REACH
Environment	
Temperature	- Operating: 0°C ~ 60°C
	- Storage: -20°C ~ 85°C
Warranty	
Warranty	- 2 Years Limited Warranty
Packing	
Packing	- Net Weight: - Gross Weight: - Color Box dimension:

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

Optional Accessories

Part Number	Description
	JNF695 M/B
G03-NF695-F	IPC NF695 User's Manual
G02-DVD24-A1-WF	CD Driver
G01-COM9X4-40A-F	4 * COM cable (JNF695HV-3455 only)
G01-COM9-30A-1F	1 * COM cable
F04-MB-069-F	I/O Shield

Mechanical Drawings (Unit = mm)

