

JNF796V-C246

Intel® 8th/9th Generation Xeon E-series, Core™ i7/ i5 /i3, Pentium® LGA1151 Socket Processor, C246 Chipset, Max. 65W TDP, Support Intel AMT

1. Intel® 8/9th LGA1151 Socket Processor (Max. 65W TDP)
2. 2* DDR4 2400/2666MHz ECC SO-DIMM up to 64GB
3. 1* HDMI, 1* DP, 1* VGA, 1* LVDS
4. 1* GbE, 1* 2.5GbE, 4* RS232, 2* RS232/422/485, 4* USB3.1 (Gen.2), 6* USB3.1 (Gen.1), 2* USB2.0
5. 1* PCIe x16, 1* M.2 M-key 2242/2280 (SATA/PCIex4) support NVMe, 1* M.2 E-key 2230 (PCIex1/USB2.0) support CNVi, 5* SATAIII
6. Support onboard TPM 2.0 (option)



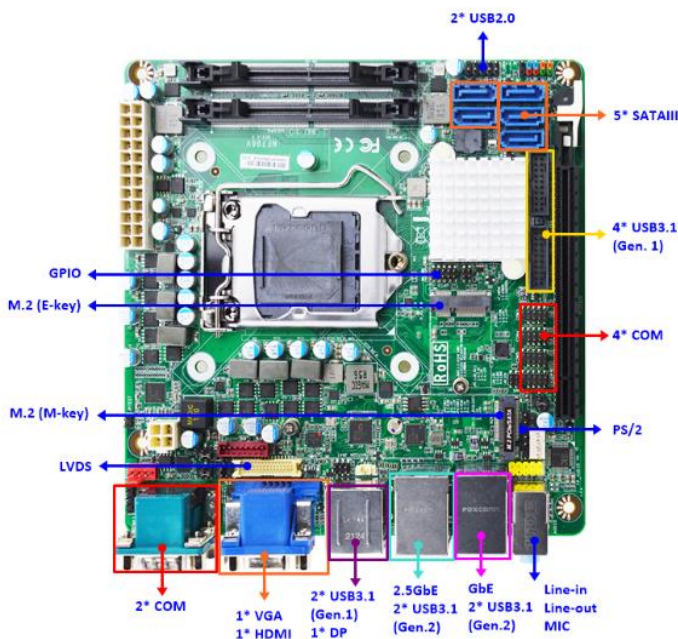
Overview

The JETWAY JNF796V-C246 is Mini-ITX form factor board adopts the Intel® 8th/9th generation Xeon E-series, Core i7/i5/i3, Pentium and Celeron Processor. The board supports two SO-DIMM DDR4 2400/2666MHz ECC memory, up to 64GB. Featuring the integrated Intel® Gigabit Ethernet controller, the JNF796V-C246 offers one 10/100/1000Base-TX & one 10/100/1000/2500 Base-TX Ethernet devices for network transmission. Five SATAIII (6Gb/s) interface and one M.2 M-key 2242/2280 (SATA/PCIex4) support NVMe offer storage devices. One M.2 E-key 2230 (PCIex1/USB2.0) support CNVi, four USB3.1 Gen.2 ports, six USB3.1 Gen.1 ports, two USB2.0 ports and six COM port provide versatile expansion. The PCIe16 slot can support Jetway riser card for different expansion. The JNF796V-C246 offers one HDMI1.4 port, one DP1.4 port, one VGA port and one 24-bits Dual CH LVDS which can support 3 independent displays. Because of the above features, JNF796V-C246 is suitable for Edge Computing, Digital Signage, Industrial PCs, Factory Automation, Public Sector, Digital Security and Surveillance applications.

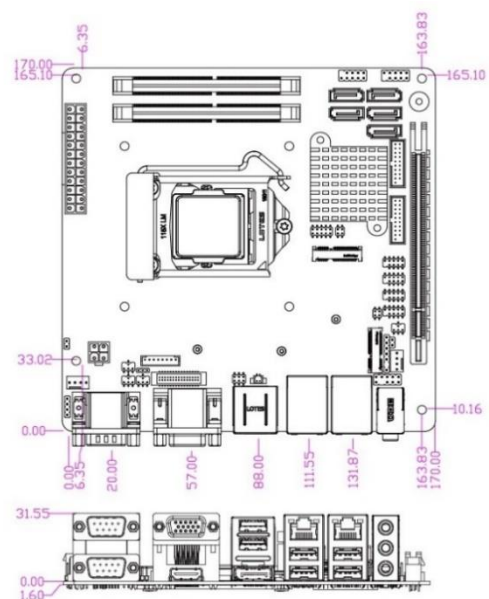
Application

Edge Computing / Digital Signage / Industrial PCs / Factory Automation / Public Sector / Digital Security / Surveillance

I/O Diagram



Mechanical Drawings (Unit = mm)



Specifications

Model	Form Factor
JNF796V-C246	Mini-ITX (6.7-in * 6.7-in, 170 * 170mm)
Processor System	Expansion Slot
<ul style="list-style-type: none">Intel® 8/9th LGA 1151 Socket Xeon E-series, Core i7/i5/i3/Pentium/Celeron Processor (Max. 65W TDP)Intel C246 Express chipsetAMI 128Mb Flash ROM BIOS	<ul style="list-style-type: none">1* M.2 E-key 2230 (PCIex1/USB2.0) support CNVi1* PCIex16 slot
Memory	Graphics
2* Dual CH DDR4 2400/2666MHz SDRAM ECC SO-DIMM up to 64GB	<ul style="list-style-type: none">Intel® HD Graphics, shared memory1* VGA (Max Resolution: 1920x1080@60Hz)1* LVDS (Max Resolution: 1920 x 1200@60Hz)1* HDMI 1.4 (Max Resolution: 4096 x 2160@30Hz)1* DP (Max Resolution: 4096 x 2304@60Hz)Support Triple Displays
Ethernet	Storage
<ul style="list-style-type: none">1* Intel i219LM GbE1* Intel i225LM 2.5GbE	<ul style="list-style-type: none">5* SATAIII (6Gb/s) support RAID 0, 1, 5, 101* M.2 M-key 2242/2280 (SATA/PCIex4) support NVMe
Rear I/O	Internal Connector
<ul style="list-style-type: none">1* VGA1* HDMI1* DP2* RJ454* USB3.1 (Gen. 2)2* USB3.1 (Gen. 1)Line-in, Line-out, MIC2* RS232/422/485	<ul style="list-style-type: none">4* USB3.1 (Gen. 1)2* USB 2.01* PS/21* LVDS / Inverter4* COM5* SATAIII1* M.2 E-key (2230)1* M.2 M-key (2242/2280)1* GPIO (8 bit)1* Chassis intrusion1* Audio Header1* SMBUS1* AT modeSupport onboard TPM2.0 (option)
Audio	Watchdog Timer
6 channel HD audio: Realtek ALC888S	<ul style="list-style-type: none">From Super I/O to drag RESETCON#256 segments (10sec ~ 255min)
Power	Compliance
ATX PWR (4+24 pin), AT/ATX Supported - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready	CE, FCC, LVD, RoHS, REACH
Temperature	OS Support
<ul style="list-style-type: none">Operating: 0°C ~ 60°CStorage: -20°C ~ 85°CHumidity: 10% ~ 90% RH @40°C (non-condensing)	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.

Standard Accessories

Part Number	Description
	JNF796V-C246 M/B
G01-COM-H2M22-1F	2* COM cable
G01-SATA3-BL-1F	2* SATAIII cable
F04-MB-073-1F	I/O Shield