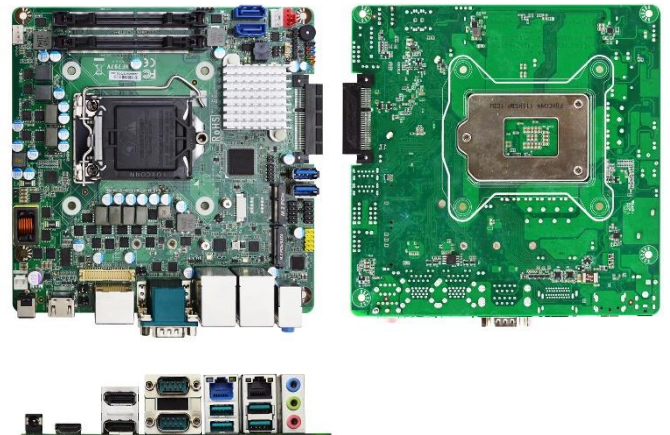


JNF797V-C246

Mini-ITX Embedded Motherboard, Intel® 8th/9th Generation Core™ i7/ i5 /i3, Pentium® LGA1151 Socket Processor, 9~36V DC-in Power

Features

1. Intel®8th/9th LGA 1151 Socket Core i7/i5/i3/ Pentium/Celeron Processor (Max. 95W TDP)
2. 2* DDR4 2400/2666MHz SO-DIMM up to 64GB support ECC
3. 1* 10/100/1000 Base-TX Ethernet Port, 1* 10/100/1000/2500 Base-TX Ethernet Port
4. 1* HDMI (option with DP), 2 * DP, 1 * eDP
5. 2* COM (RS232/422/485), 6 * USB3.1 Gen.2, 4 * USB2.0
6. 1* PCIe x4 slot, 1 * M.2 (M-Key 2242/2260/2280, support NVMe), 1 * M.2 (E-key 2230)
7. 2* SATA III (6Gb/s) support RAID 0, 1
8. Support onboard TPM 2.0 (optional)
9. 9~36V DC-in Power Solution



intel. FC CE RoHS COMPLIANT

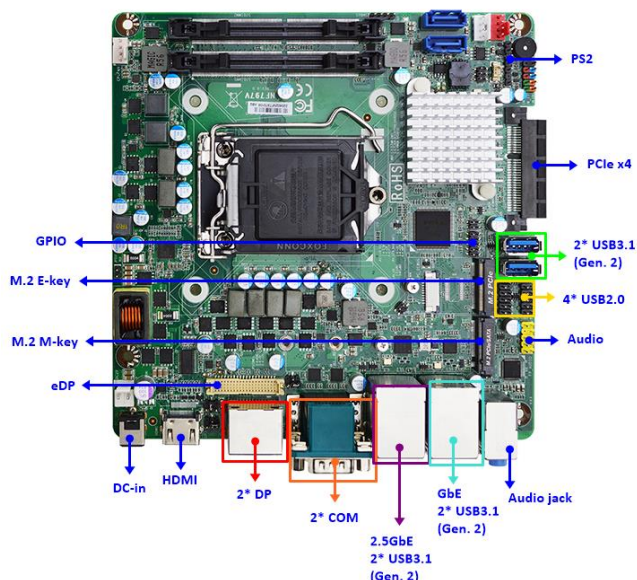
Overview

The JETWAY JNF797V-C246 is Mini-ITX form factor board adopts the Intel® 8th/9th generation Core i7/i5/i3, Pentium and Celeron Processor. The board supports two SO-DIMM DDR4 2400/2666 MHz memory, up to 64GB. Featuring the integrated Intel® Gigabit Ethernet controller, the JNF797V offers one 10/100/1000Base-TX Ethernet device and one 10/100/1000/2500Base-TX Ethernet device for network transmission. Two SATAIII (6Gb/s) interface support RAID 0, 1 offer storage devices. One PCIe x4 interface, one M.2 (E-key 2230), six USB3.1 Gen.2 ports, two COM ports provide versatile expansion. The JNF797V offers one HDMI1.4 port (option with DP1.4), two DP1.4 ports and one eDP which can support 3 independent displays. JNF797V have power on board feature that could be more convenient of use condition. Because of the above features, JNF797V is suitable for Digital Signage, Industrial PCs, Factory Automation, Public Sector and Digital Security applications.

Application

Digital Signage / Industrial PCs / Factory Automation / Public Sector / Digital Security

I/O Diagram



Mechanical Drawings (Unit=mm)



Specifications

Model <ul style="list-style-type: none">JNF797V-C246JNF797V2-C246 (TPM2.0)	Form Factor <p>Mini-ITX (170 * 170mm)</p>
Processor System <ul style="list-style-type: none">Intel® 8th/9th LGA 1151 Socket Core i7/i5/i3/Pentium/Celeron Processor (Max. 95W TDP)Intel C246 Express ChipsetAMI 128Mb Flash ROM BIOS	Memory <p>2* DDR4 2400/2666MHz Dual Channel SO-DIMM up to 64GB (support ECC)</p>
Storage <ul style="list-style-type: none">2* SATAIII (6 Gb/s) support RAID 0, 11* M.2 M-key (2242/2260/2280, W/SATA interface) support NVME	Expansion <ul style="list-style-type: none">1* PCIe x41* M.2 E-key (2230, PCIe interface)
Ethernet <p>1* Intel i219LM 1* Intel i225V</p>	Graphics <ul style="list-style-type: none">Intel® HD Graphics, shared memory1* eDP (Max Resolution: 4096x2304@60Hz)1* HDMI 1.4 (Max Resolution: 4096x2160@30Hz) option with DP2* DP (Max Resolution: 4096x2304@60Hz)Support Triple Displays
Audio <p>HD audio: Realtek ALC888S</p>	Watchdog Timer <ul style="list-style-type: none">From Super I/O to drag RESETCON#256 segments (10sec ~ 255min)
Internal I/O <ul style="list-style-type: none">2* USB3.1 (Gen.2)4* USB2.02* SATAIII1* PS2 KB/MS header1* Audio header1* Chassis intrusion1* SMBUS1* GPIO1* AT mode1* TPM2.0 (JNF797V2-C246)	External I/O <p>Rear:</p> <ul style="list-style-type: none">4* USB3.1 (Gen.2)2* COM (COM1/2 support RS232/422/485)2* DP1* HDMI2* RJ451* Audio jack (Line-in, Line-out, MIC)1* 9V~36V DC-in jack
Power <p>9V~36V DC-in PWR</p> <ul style="list-style-type: none">AT: Directly PWR on as Power input readyATX: Press Button to PWR on after Power input ready	Compliance <p>CE, FCC, LVD, RoHS, REACH</p>
Temperature <ul style="list-style-type: none">Operating Temperature: 0 ~ 60° C (with 0.7m/s air flow)Storage Temperature: -20 ~ 85° CHumidity: 10% ~ 90% RH @40°C (non-condensing)	OS Support <p>Windows, Linux</p>
Warranty <p>2 Years limited warranty</p>	

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

Standard Accessories

Part Number	Description
	JNF797V-C246 M/B
F04-MB-074-F	I/O shield
G01-SATA3-BL-1F	1* SATAIII cable
G01-PW4PS-2S-323F	1* SATA Power cable