



369.00 EUR incl. 19% VAT, plus shipping



The JETWAY JNAF791 Series are ATX form factor board adopts the Intel® 8th generation Xeon® E, Core i7/i5/i3, Pentium and Celeron Processor. The board supports four U-DIMM DDR4 2666Mhz memory slot, up to 64GB (with ECC for C246). Featuring the integrated Intel® Gigabit Ethernet controller, the JNAF791 offers two 10/100/1000Base-TX Ethernet devices for network transmission. Five SATAIII (6Gb/s) interface and one M.2 (PClex4 with SATA interface, M-key, 2242/2260/2280/22110) offer storage devices. One M.2 (E-key, 2230), four USB3.1 Gen.2 ports, four USB3.1 Gen.1 ports, four USB2.0 ports and ten COM ports provide versatile expansion. The JNAF791 provides two PCI slots, one PClex1 slot, one PClex4 slot, two PClex16 slots (there are two configurations if plug one PCle x16 card in one slot, the other slot is disable; or plug one PCle x8 card in one slot, the other slot is able to plug one PCle x8/x4/x1 card) can support different function expansion. The JNAF791 offers one HDMI1.4 port, one DP1.2 port, one VGA port and one DVI-D port which can support 3 independent displays. Because of the above features, JNAF791 is suitable for ATM machine, Industrial PCs, Factory Automation, Public Sector, Digital Security and Surveillance applications.

- Intel® Coffee Lake Processor (TDP 95W)
- 4 \* DDR4 2666MHz U-DIMM up to 64 GB (ECC for C246 only)
- 2 \* 10/100/1000 Base-TX Ethernet Ports
- 1 \* HDMI, 1 \* DP, 1 \* VGA, 1 \* DVI-D
- 10 \* COM (COM1/2 support RS232/422/485), 4 \* USB3.1 Gen.2, 4 \* USB3.1 Gen.1 & 4 \* USB2.0
- 2 \* PCIe x16 slots, 1 \* PCIe x4 slot, 1 \* PCIe x1 slot, 2 \* PCI slots, 1 \* M.2 (PCIex4 with SATA interface, M-key, 2242/2260/2280/22110), 1\* M.2 (2230, E-key)
- 5 \* SATA III (6Gb/s) support RAID 0, 1, 5, 10
- Support TPM1.2/2.0 (on board option)

Model	JNAF791-Q370	JNAF791-C246	
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Part Number	– JNAF791-Q370	– JNAF791-C246	
Form Factor			
Dimensions	– ATX (305 * 244mm)		



<b>Processor System</b>	n			
CPU Generation	- Intel® LGA1151 Gen 8 Coffee Lake F	Processor (Max. TDP 95W)		
CPU SKU	- Core i7/i5/i3, Pentium, Celeron	– Xeon E, Core i7/i5/i3, Pentium, Celeron		
Core Number	- (by CPU)			
Max Speed	- (by CPU)	– (by CPU)		
L2 Cache	- (by CPU)			
Chipset	- Q370	– C246		
BIOS	- AMI Flash ROM			
<b>Expansion Slot</b>				
PCI	- 2			
PCle	<ul> <li>1 * PCle x1, 1 * PCle x4, 2 * PCle x16</li> <li>* Note: there are two configurations if plug one PCle x16 card in one slot, the other slot is disable; or plug one PCle x8 card in one slot, the other slot is able to plug one PCle x8/x4/x1 card</li> </ul>			
M.2 (A/E-key)	– 1 (E-key, 2230)			
M.2 (B/M-key)	- 1 (PClex4 with SATA interface, M-key	- 1 (PCIex4 with SATA interface, M-key, 2242/2260/2280/22110)		
SIM Card Holder	- 0			
Memory				
Technology	<ul><li>– DDR4 2666MHz Dual CH SDRAM non-ECC</li></ul>	- DDR4 2666MHz Dual CH SDRAM W/ECC		
Max.	– 64GB			
Socket	– 4 * U-DIMM			
Graphics				
Controller	- Intel® HD Graphics			
VRAM	- Shared Memory			
VGA	- 1 (Max Resolution: 1920×1200@60Hz)			
HDMI 1.4	- 1 (Max Resolution: 4096×2160@30Hz)			
DVI-D	- 1			
DisplayPort	- 1 (Max Resolution: 4096x2304@60H	- 1 (Max Resolution: 4096×2304@60Hz)		
Multi Display	- Triple Displays	- Triple Displays		
Ethernet				
Ethernet	- 10/100/1000 Mbps			
Controller	- 2 * Intel GbE (1 * i219LM, 1 * i211AT)	- 2 * Intel GbE (1 * i219LM, 1 * i210AT)		
Connector	– 2 * RJ45	I		
Audio				
CODEC	– HD Audio : REALTEK® ALC662			
Channel	– 6 Channel			
SATA				
Max Data Transfer Rate	- 5 * SATAIII support RAID 0, 1, 5, 10			
Rear I/O				
VGA	<u> </u>			
DVI-D	<u> </u>			
HDMI	-1			
DisplayPort	<u> </u>			



Ethernet <del>-</del> 2 - 4 \* USB 3.1 (Gen. 2) & 2 \* USB3.1 (Gen. 1) USB - 3 (Line-In, Line-Out, MIC) Audio Serial 1 (COM1 support RS232/422/485) **Internal Connector** - 2 \* USB3.1 (Gen. 1), 4 \* USB 2.0 PS/2 <del>-</del> 1 Serial 9 (COM2 support RS232/422/485) - 5 \* SATAIII SATA M.2 (A/E-key) - 1 (E-key, 2230) M.2 (B/M-key) - 1 (PClex4 with SATA interface, M-key, 2242/2260/2280/22110) GPIO – 1 (8 bit) Chassis intrusion <del>- 1</del> Audio Header <del>-</del> 1 SMBUS/ I2C <del>-</del> 1 AT mode - 1 TPM 1 (on board option) Watchdog Timer Output From Super I/O to drag RESETCON# Interval 256 segments (10sec ~ 255min) **Power Requirements** Input PWR - ATX PWR (8+24 pin) AT/ATX Supported Power On - 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