

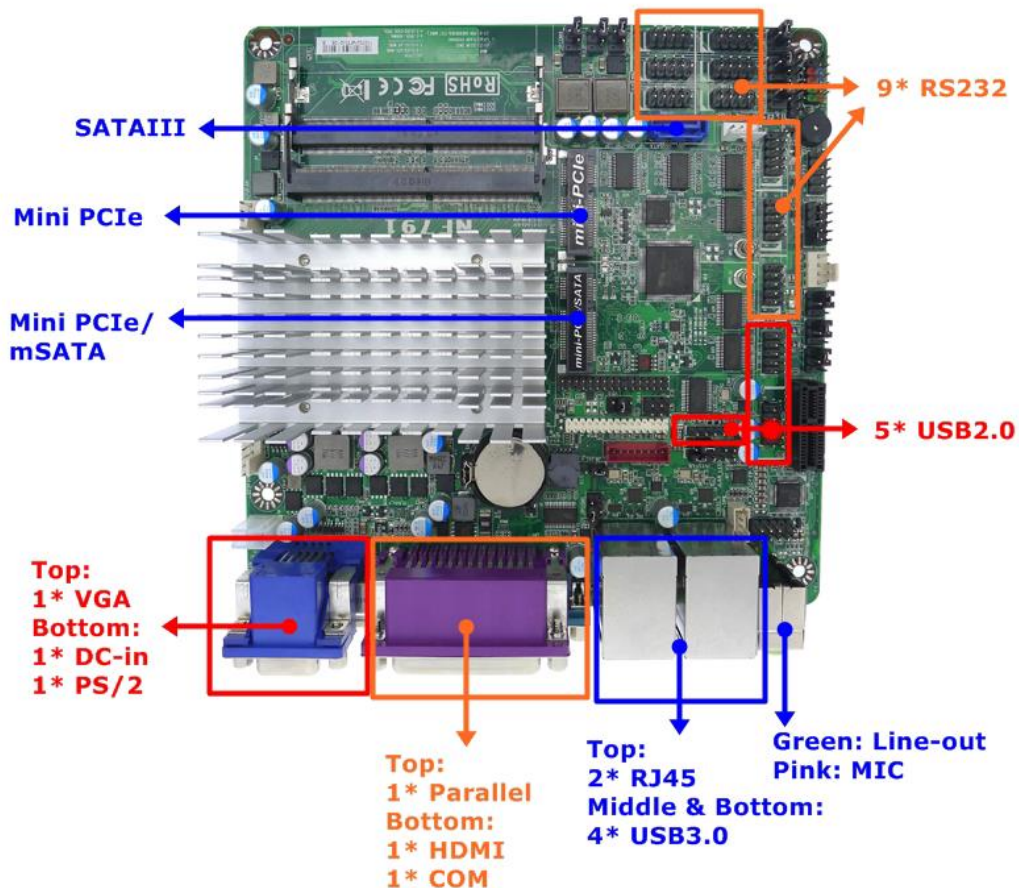
# NF791

## Mini-ITX Industrial Board for Point-of-Sale (POS) Skylake-U / 2 LAN / 10 COM / Parallel / 12V



### Features

1. Intel Celeron 3855U/3955U SoC Processor, Dual-Core, Skylake-U, 15W TDP
2. Supports DDR4-2133 SODIMM up to 32GB Total
3. Up to 3 Displays, HDMI, VGA, 24-bit LVDS/eDP
4. 2 \* Gigabit LAN Ports, HD Audio with 3W Amplifier
5. 1 \* SATA3 6Gb/s Port, 1 \* Full-size mSATA/Mini-PCIE Shared
6. 1 \* PCI Express x1 Slot, 1 \* Full-size mini-PCIE Slot
7. 4 \* USB 3.0 Ports, 5 \* USB 2.0 Ports
8. 10\*Serial Ports (1\*RS232/422/485, 9\*RS232)
9. GPIO, Watchdog Timer, AT/ATX Power Switch Mode
10. 12V DC-in or Alternate 2-pin Internal Power Connector
11. Compatible with Windows 7, 8.1, 10, Linux
12. Mini-ITX Form Factor (170mm x 170mm)



\*Motherboard ships with CPU fan installed

<b>Model / Series</b>	<ul style="list-style-type: none"> <li>NF791</li> </ul>
<b>Part No</b>	<ul style="list-style-type: none"> <li>JNF791-3855 (not embedded, no longevity guarantee)</li> <li>JNF791-3955 (embedded, Planned Lifecycle Through Q4'2022)</li> </ul>
<b>Processor</b>	<ul style="list-style-type: none"> <li>Intel Celeron 3855U SoC Processor, Dual-Core, 1.6GHz</li> <li>Intel Celeron 3955U SoC Processor, Dual-Core, 2.0GHz</li> </ul>
<b>Chipset</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Video</b>	<ul style="list-style-type: none"> <li>Intel HD Graphics 510, 300 – 900MHz, DirectX 12, OpenGL 4.4, up to 3 displays</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>2 * 260-pin SO-DIMM slot supporting DDR4-2133 up to 32GB total</li> </ul>
<b>Expansion Slots</b>	<ul style="list-style-type: none"> <li>1 * PCI Express x1 slot</li> <li>1 * Full-size Mini-PCI Express slot</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>1 * SATA3 6Gb/s port, 1 * Full-size mSATA/Mini-PCIE shared slot</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>Realtek ALC662 HD Audio, 3W amplifier</li> </ul>
<b>Network</b>	<ul style="list-style-type: none"> <li>2 * Realtek RTL8111H Gigabit LAN</li> </ul>
<b>Other Features</b>	<ul style="list-style-type: none"> <li>Support AHCI, ACPI S3, CPU Smart FAN, Watchdog Timer 10-255 min/sec</li> </ul>
<b>Rear Panel I/O</b>	<ul style="list-style-type: none"> <li>4 * USB 3.0 ports, VGA (1080p), HDMI (4K @24Hz), 2 * RJ-45 LAN ports</li> <li>RJ-11 for cash drawer (12V/24V), 1 * Serial port (RS232/422/485), Line-out, Mic</li> <li>PS/2 KB/MS combo port, Parallel port</li> <li>+12V DC-in jack (1-pin 2.5mm ID/5.5mm OD)</li> </ul>
<b>Internal I/O</b>	<ul style="list-style-type: none"> <li>3 * USB headers for 5 * USB 2.0 ports</li> <li>24bit LVDS &amp; Inverter (1080p), eDP (4K @60Hz), AT/ATX power switch mode</li> <li>9 * Serial headers (9 * RS232), SMBUS (I2C) header</li> <li>8-bit GPIO header, Chassis Intrusion header</li> <li>Alternate 2-pin internal power connector</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>AMI Flash ROM</li> </ul>
<b>Box Contents</b>	<ul style="list-style-type: none"> <li>NF791 Motherboard, SATA Cable, Power Cable, COM cable, Manual, DVD Drivers, I/O Shield</li> </ul>
<b>Certification</b>	<ul style="list-style-type: none"> <li>CE, FCC, RoHS, ErP/EuP, REACH</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>Operating Temperature 0~60 ° C, Storage Temperature -20-85 ° C</li> </ul>
<b>Form Factor</b>	<ul style="list-style-type: none"> <li>Mini-ITX Form Factor (170mm x 170mm)</li> </ul>
<b>Warranty</b>	<ul style="list-style-type: none"> <li>2 Years Limited Warranty</li> </ul>

\*Specifications subject to change without notice, not responsible for typographical errors.



**Jetway Computer Corporation**  
**Phone: 510-857-0130 Fax: 510-857-0138**  
**8058 Central Ave., Newark, CA 94560**  
**www.jetwaycomputer.com**

