

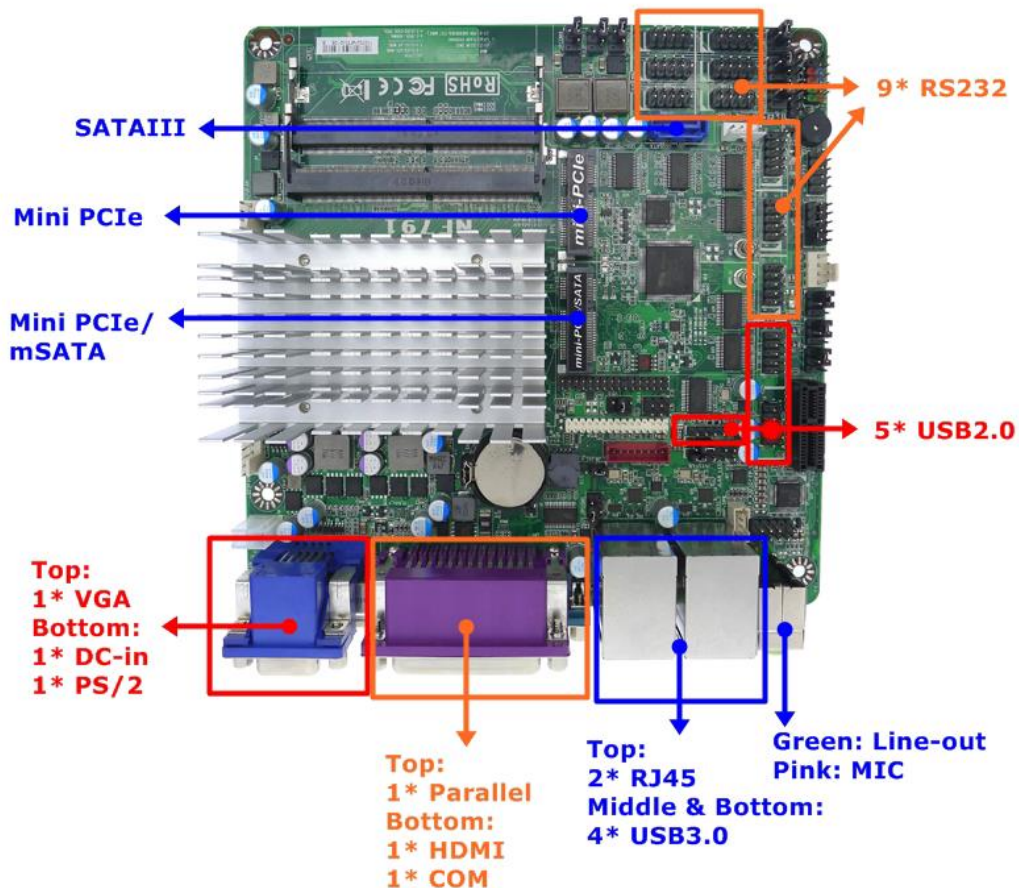
NF791

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



Features

1. Industrial Embedded Motherboard with Planned Lifecycle Through Q3'2030 (3955U only)
2. Intel Celeron 3855U/3955U SoC Processor, Dual-Core, Skylake-U, 15W TDP
3. Supports DDR4-2133 SODIMM up to 32GB Total
4. Up to 3 Displays, HDMI, VGA, 24-bit LVDS/eDP
5. 2 * Gigabit LAN Ports, HD Audio with 3W Amplifier
6. 1 * SATA3 6Gb/s Port, 1 * Full-size mSATA/Mini-PCIE Shared
7. 1 * PCI Express x1 Slot, 1 * Full-size mini-PCIE Slot
8. 4 * USB 3.0 Ports, 5 * USB 2.0 Ports
9. 10*Serial Ports (1*RS232/422/485, 9*RS232)
10. GPIO, Watchdog Timer, AT/ATX Power Switch Mode
11. 12V DC-in or Alternate 2-pin Internal Power Connector
12. Compatible with Windows 7, 8.1, 10, Linux
13. Mini-ITX Form Factor (170mm x 170mm)



*Motherboard ships with CPU fan installed

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

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



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