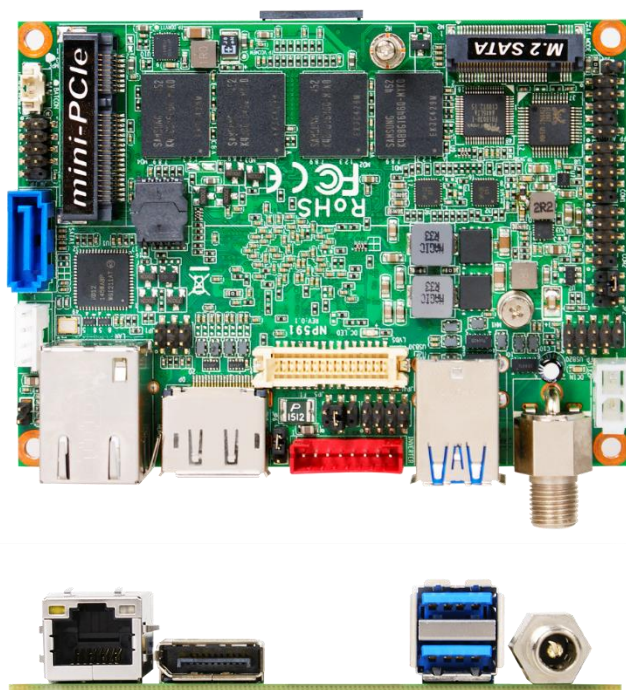


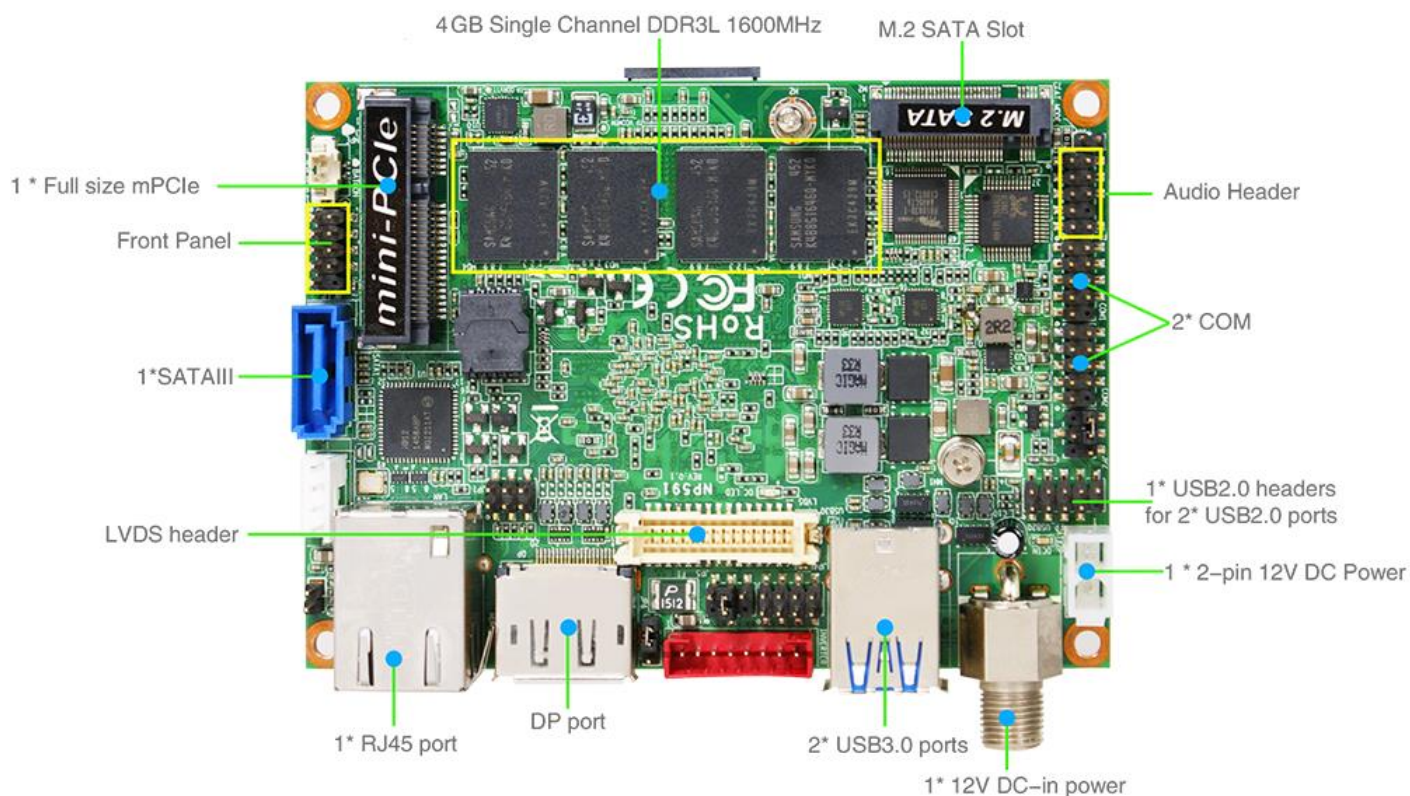
NP591

Pico-ITX Industrial Motherboard Braswell / 4GB DDR3L / DP / LVDS / 12V



Features

1. Industrial Embedded Motherboard with Planned Lifecycle Through Q1'2023
2. Fanless Intel Celeron N3150/N3160 SoC Processor, Quad-Core, Braswell-M, 6W TDP
3. Passive CPU Heatsink Included
4. 4GB DDR3L-1600 Onboard
5. Dual Display: 1 * DisplayPort, 24-bit Dual Channel LVDS
6. 1 * Intel i211-AT Gigabit LAN, DP Audio or Audio Header
7. 1 * SATA3 6Gb/s Port, 1 * M.2 SATA M-key 2242 Only
8. 1 * Full-size mini-PCIE Slot
9. 2 * USB 3.0 Ports, Header for 2 * USB 2.0 Ports
10. 2 * Serial Headers (1*RS232/422/485, 1*RS232)
11. Watchdog Timer, AT/ATX Power Switch Mode
12. Locking 12V DC-in or Alternate 2-pin Internal Connector
13. Compatible with Windows 7, 8.1, 10, Linux
14. Pico-ITX Form Factor (100mm x 72mm)



Model / Series	■ NP591
Part No	■ JNP591D4-3150 ■ JNP591D4-3160
Processor	■ Fanless Intel Celeron N3150 SoC Processor, Quad-Core, 1.6GHz, 2.08GHz Burst ■ Fanless Intel Celeron N3160 SoC Processor, Quad-Core, 1.6GHz, 2.24GHz Burst
Chipset	■ None
Video	■ Intel HD Graphics in processor, 320 – 640MHz
Memory	■ 4GB DDR3L-1600 onboard (non-expandable)
Expansion Slots	■ 1 * Full-size Mini-PCI Express slot
Storage	■ 1 * SATA3 6Gb/s port ■ 1 * M.2 slot (M-key, SATA interface, 2242 only)
Audio	■ Realtek ALC662 DP Audio, Audio header
Network	■ 1 * Intel i211-AT Gigabit LAN
Other Features	■ Support AHCI, ACPI S3, Watchdog Timer 10-255 min/sec
Rear Panel I/O	■ 2 * USB 3.0 ports, DisplayPort (3840x2160 @30Hz, supports DP-to-DP or DP-to-VGA only) ■ 1 * RJ-45 LAN port ■ +12V DC-in locking jack (1-pin 2.5mm ID/5.5mm OD, locking)
Internal I/O	■ 1 * USB header for 2 * USB 2.0 ports ■ 24bit LVDS & Inverter, AT/ATX power switch mode ■ 2 * Serial port headers (1 * RS232/422/485, 1 * RS232) ■ Alternate 2-pin internal power connector
BIOS	■ AMI 64MB Flash ROM
Box Contents	■ NP591 Motherboard, SATA cable, SATA power cable, COM cable, Manual, DVD Driver Disk
Certification	■ CE, FCC, RoHS, ErP/EuP, REACH
Temperature	■ Operating Temperature 0~40 ° C, Storage Temperature -20-85 ° C
Form Factor	■ Pico-ITX Form Factor (100mm x 72mm)
Warranty	■ 2 Years Limited Warranty

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



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