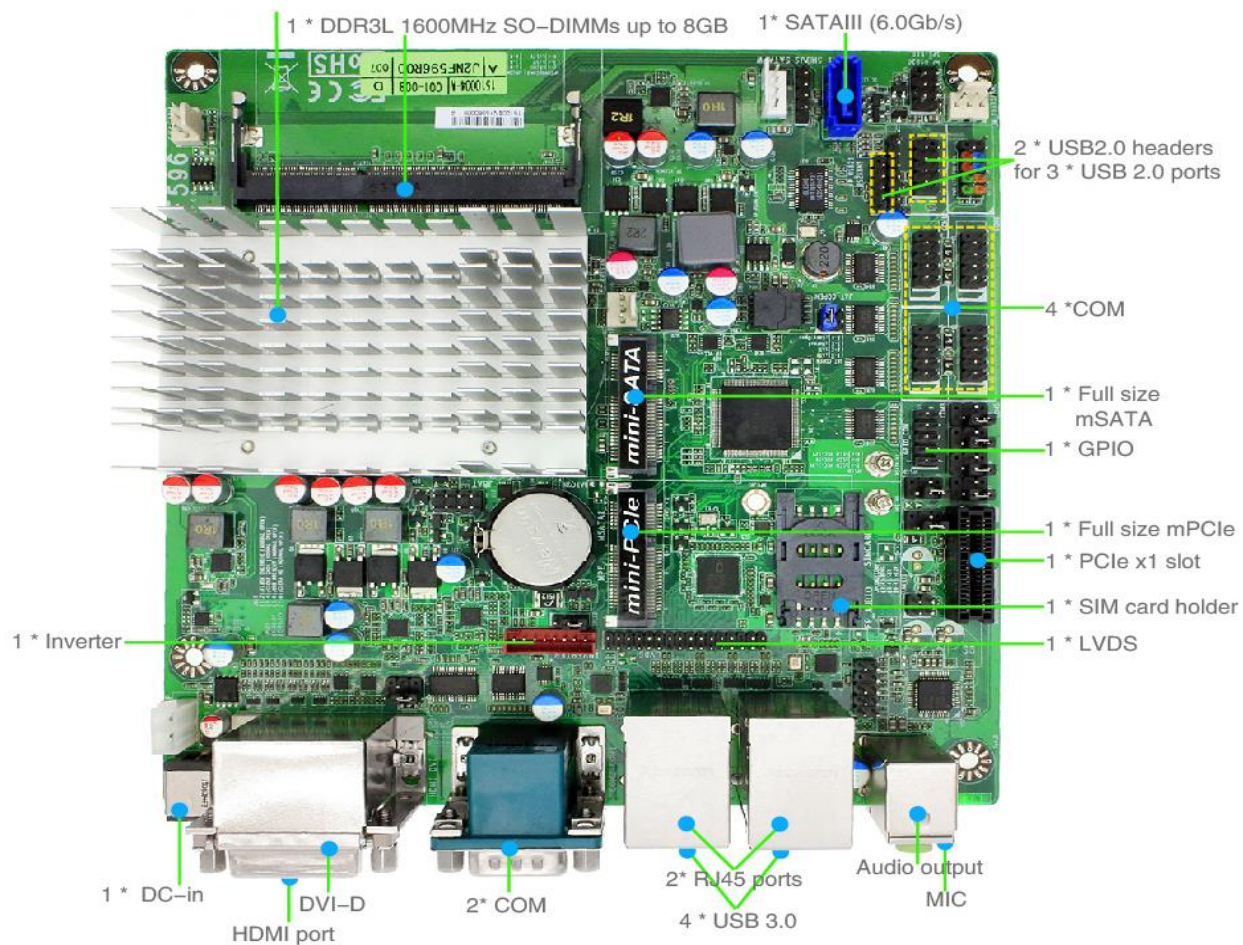
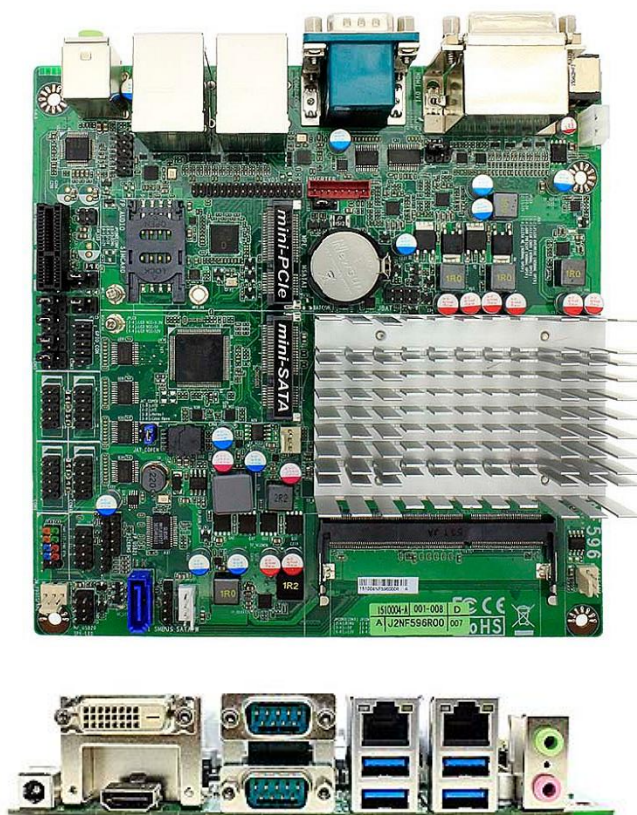


NF596

Mini-ITX Industrial Motherboard Braswell / 2 LAN / mSATA / USB 3.0 / 12V

Features

1. Industrial Embedded Motherboard with Planned Lifecycle Through Q1'2031
2. Fanless Intel Celeron N3150/N3160 SoC Processor, Quad-Core, Braswell-M, 6W TDP
3. Supports 1.35V DDR3L-1600 SODIMM up to 8GB Total
4. Up to 3 Displays, DVI-D, HDMI, 24-bit LVDS
5. 2 * Gigabit LAN Ports, HD Audio
6. 1 * SATA3 6Gb/s Port, 1 * Full-size mSATA Slot
7. 1 * PCI Express 2.0 x1 Slot, 1 * Full-size mini-PCIE Slot
8. 4 * USB 3.0 Ports, 3 * USB 2.0 Ports, SIM Socket
9. 6*Serial Ports (1*RS232/422/485, 5*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)



Model / Series	NF596
Part No	- JNF596-3150 - JNF596-3160
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	1 * 204-pin SO-DIMM slot supporting DDR3L-1600* up to 8GB total, 1.35V required *1600MHz memory runs at 1600MHz, 1333MHz memory runs at 1066MHz *1066MHz memory not supported
Expansion Slots	1 * PCI Express 2.0 x1 slot 1 * Full-size Mini-PCI Express slot, SIM Card Socket
Storage	1 * SATA3 6Gb/s port, 1 * mSATA slot
Audio	Realtek ALC662 HD Audio
Network	2 * Realtek RTL8111G Gigabit LAN
Other Features	Support AHCI, ACPI S3, CPU Smart FAN, Watchdog Timer 10-255 min/sec
Rear Panel I/O	4 * USB 3.0 ports, DVI-D port, HDMI port, 2 * RJ-45 LAN ports 2 * Serial ports (1 * RS232, 1 * RS232/422/485), Line-out, Mic +12V DC-in jack (1-pin 2.5mm ID/5.5mm OD)
Internal I/O	2 * USB headers for 3 * USB 2.0 ports 24bit LVDS & Inverter, AT/ATX power switch mode, SIM card socket 4 * Serial headers (4 * RS232), SMBUS (I2C) header 8-bit GPIO header, Chassis Intrusion header, PS/2 KB/MS header - Alternate 2-pin internal power connector
BIOS	AMI 64MB Flash ROM
Box Contents	NF596 Motherboard, SATA Cable, Power Cable, COM cable, Manual, DVD Driver Disk, I/O Shield
Certification	CE, FCC, RoHS, ErP/EuP, REACH
Temperature	Operating Temperature 0~60 ° C, Storage Temperature -20-85 ° C
Form Factor	Mini-ITX Form Factor (170mm x 170mm)
Warranty	2 Years Limited Warranty

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



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