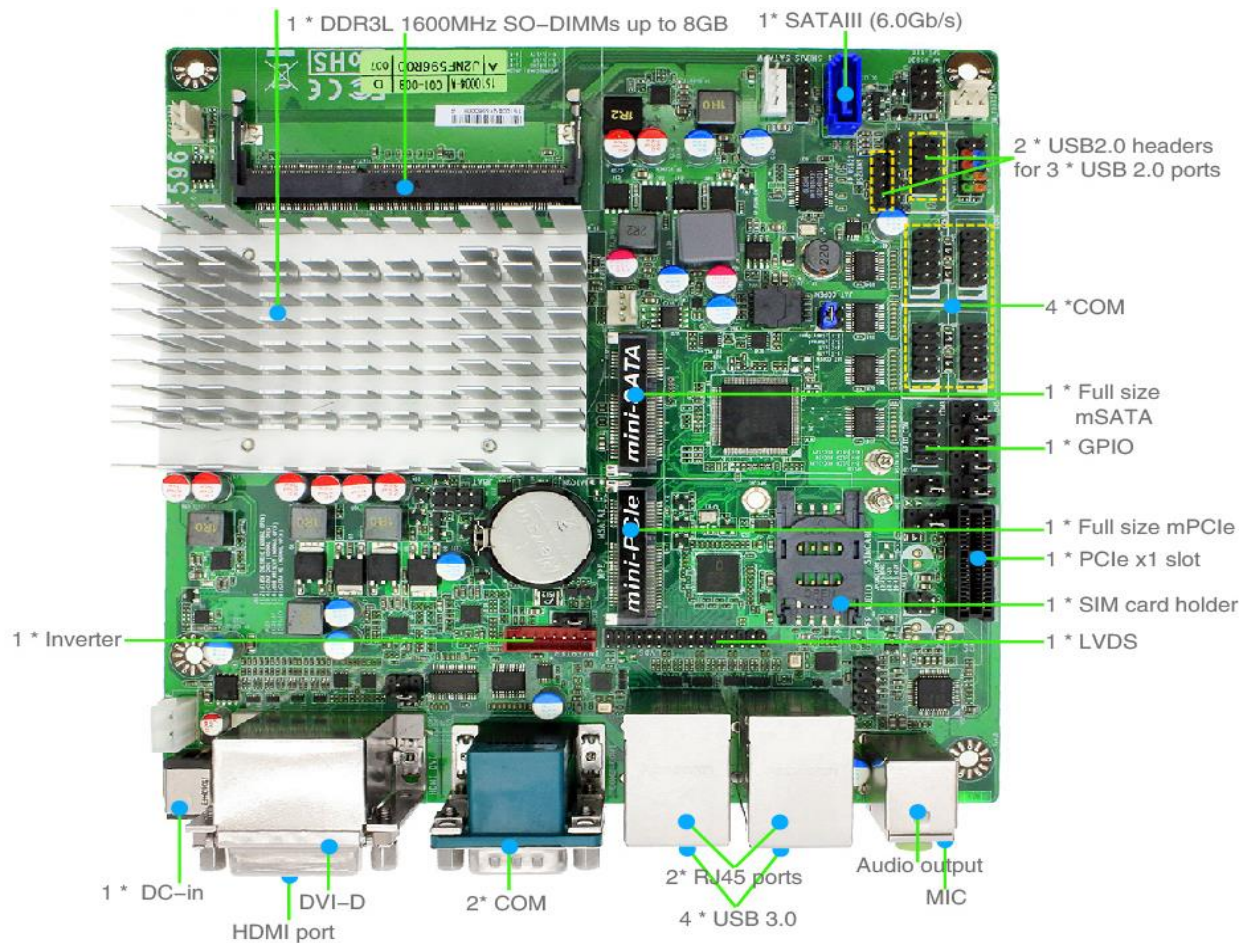
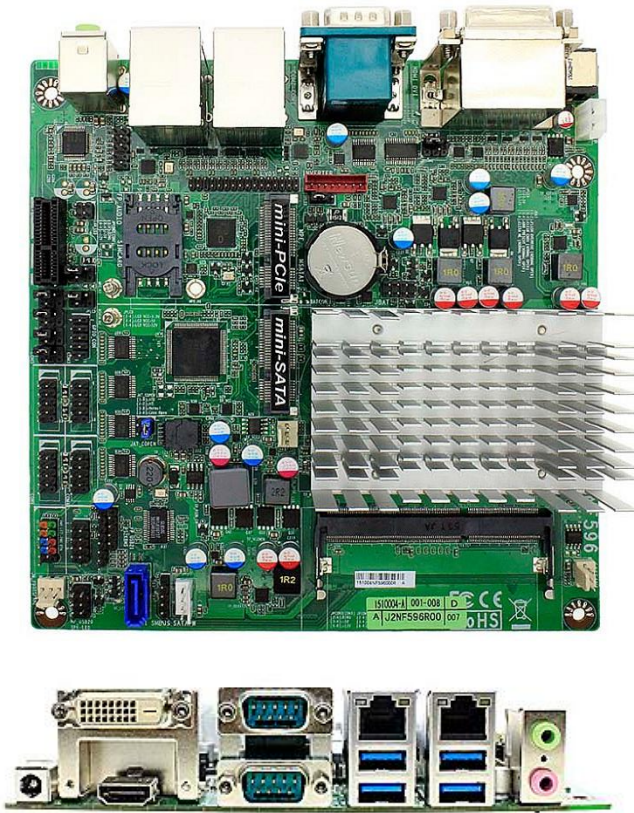


# NF596

## Mini-ITX Industrial Motherboard Braswell / 2 LAN / mSATA / USB 3.0 / 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. 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)



<b>Model / Series</b>	<ul style="list-style-type: none"> <li>■ NF596</li> </ul>
<b>Part No</b>	<ul style="list-style-type: none"> <li>■ JNF596-3150</li> <li>■ JNF596-3160</li> </ul>
<b>Processor</b>	<ul style="list-style-type: none"> <li>■ Fanless Intel Celeron N3150 SoC Processor, Quad-Core, 1.6GHz, 2.08GHz Burst</li> <li>■ Fanless Intel Celeron N3160 SoC Processor, Quad-Core, 1.6GHz, 2.24GHz Burst</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 in processor, 320 – 640MHz</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>■ 1 * 204-pin SO-DIMM slot supporting DDR3L-1600* up to 8GB total, 1.35V required</li> <li>■ *1600MHz memory runs at 1600MHz, 1333MHz memory runs at 1066MHz</li> <li>■ *1066MHz memory not supported</li> </ul>
<b>Expansion Slots</b>	<ul style="list-style-type: none"> <li>■ 1 * PCI Express 2.0 x1 slot</li> <li>■ 1 * Full-size Mini-PCI Express slot, SIM Card Socket</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>■ 1 * SATA3 6Gb/s port, 1 * mSATA slot</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>■ Realtek ALC662 HD Audio</li> </ul>
<b>Network</b>	<ul style="list-style-type: none"> <li>■ 2 * Realtek RTL8111G 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, DVI-D port, HDMI port, 2 * RJ-45 LAN ports</li> <li>■ 2 * Serial ports (1 * RS232, 1 * RS232/422/485), Line-out, Mic</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>■ 2 * USB headers for 3 * USB 2.0 ports</li> <li>■ 24bit LVDS &amp; Inverter, AT/ATX power switch mode, SIM card socket</li> <li>■ 4 * Serial headers (4 * RS232), SMBUS (I2C) header</li> <li>■ 8-bit GPIO header, Chassis Intrusion header, PS/2 KB/MS header</li> <li>■ Alternate 2-pin internal power connector</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>■ AMI 64MB Flash ROM</li> </ul>
<b>Box Contents</b>	<ul style="list-style-type: none"> <li>■ NF596 Motherboard, SATA Cable, Power Cable, COM cable, Manual, DVD Driver Disk, 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.



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