NF596I

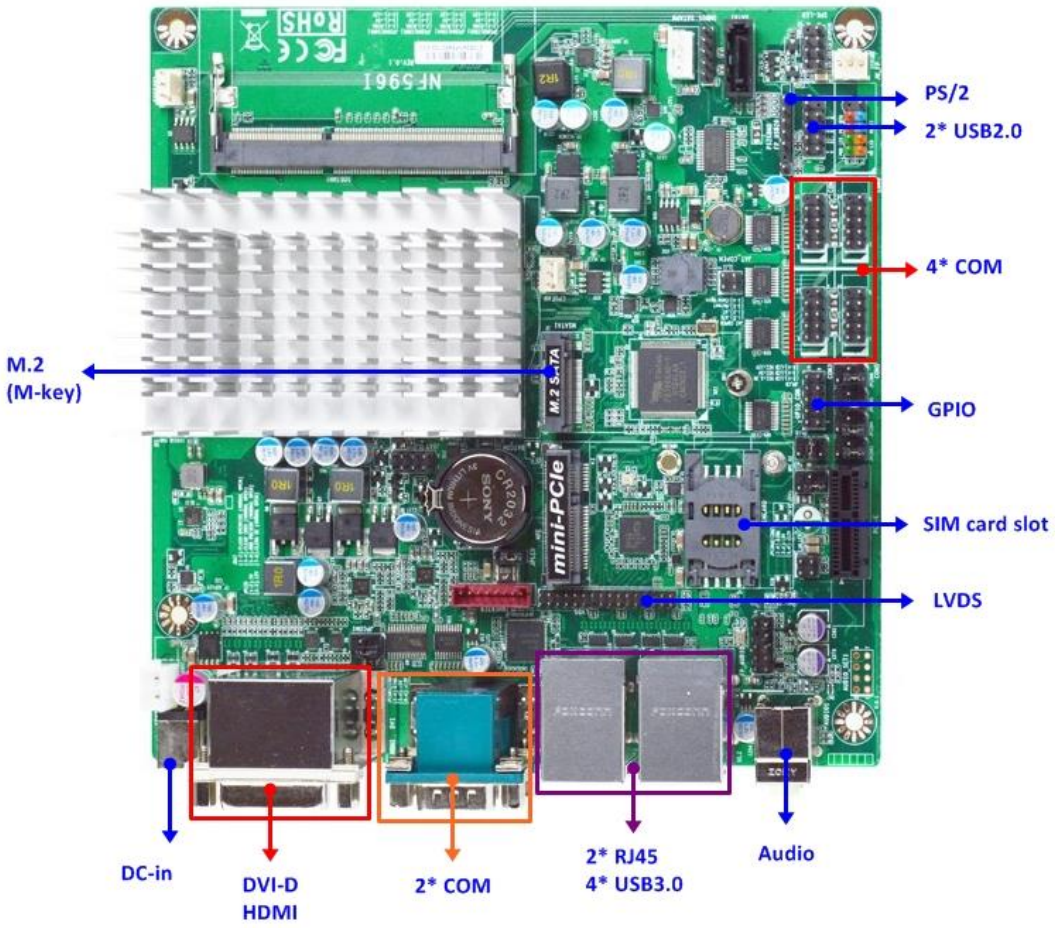
Mini-ITX Industrial Motherboard
Braswell / 2 LAN / M.2 SATA / USB 3.0 / 12V





Features

1. Industrial Embedded Motherboard with Planned Lifecycle Through Q1'2031
2. Fanless Intel Celeron N3160 SoC, Quad-Core, Braswell-M, 6W
3. Supports 1.35V DDR3L-1600 SODIMM up to 8GB Total
4. Up to 3 Displays, DVI-D, HDMI, 24-bit LVDS
5. 2 * Intel Gigabit LAN Ports, HD Audio
6. 1 * SATA3 6Gb/s Port, M.2 SATA 2242 Slot
7. 1 * PCI Express 2.0 x1 Slot, 1 * Full-size mini-PCIE Slot
8. 4 * USB 3.0 Ports, 2 * 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	■ NF596I
Part No	■ JNF596I-3160
Processor	■ 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 Holder
Storage	■ 1 * SATA3 6Gb/s port, 1 * M.2 SATA M-key 2242
Audio	■ C-Media HS-100B USB Audio
Network	■ 2 * Intel i211-AT 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 2 * 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	■ NF596I Motherboard, 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.

JETWAY
Tech.On The Move

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