

# JBC420U591R

Thin NUC Fanless Embedded Barebone  
Braswell / 2 LAN / DP+2 HDMI / M.2



## Features

- Fanless Embedded Barebone System with Planned Lifecycle Through Q1'2031
- Fanless Black Aluminum Enclosure
- Intel Celeron N3160 Quad-core SoC
- Supports DDR3L-1600 SODIMM up to 8GB Total
- 2 \* HDMI + 1 \* DisplayPort (4K @30Hz)
- 1 \* Full-size mSATA/mini-PCIE Shared Slot
- 1 \* Half-size mini-PCIE Slot (or WIFI installed)
- 2 \* Gigabit LAN, 4 \* USB 3.0 Ports
- 1 \* Serial (RS232/422/485), SIM Card Holder
- HD Audio , Watchdog Timer, 12V DC-in Jack
- Includes Wall Mount + VESA Mount + DIN Rail Mount kit and DIN Rail Clip
- Only 34 x 109 x 129mm (1.34" x 4.3" x 5.08")



**NUC Form Factor**

with Aluminum Chassis, 3 Display, 2 NICs,  
Fanless, and more

<b>Model</b>	■ JBC420U591R
<b>Part No</b>	■ HBJC420U591-316R (WIFI), HBJC420U591-316R (non-WIFI)
<b>Processor</b>	■ Fanless Intel Celeron N3160 Quad-core Braswell
<b>Memory</b>	<ul style="list-style-type: none"> <li>■ 1 * 204-pin DDR3L-1600* SODIMM slot supporting up to 8GB total</li> <li>■ *1600 memory runs at 1600MHz, 1333 memory runs at 1066MHz, 1066 memory not supported</li> </ul>
<b>Storage</b>	■ 1 * Full-size mSATA/Mini-PCIE shared slot
<b>Network</b>	<ul style="list-style-type: none"> <li>■ 2 * Realtek RT18119I Gigabit LAN</li> <li>■ 1 * Half-size mini-PCIE slot (or WIFI installed on Z model), SIM card holder</li> </ul>
<b>Other Features</b>	■ HD Audio, AHCI, Watchdog Timer 10-255 min/sec.
<b>Rear Panel I/O</b>	<ul style="list-style-type: none"> <li>■ 2 * USB 3.0 ports</li> <li>■ 1 * DisplayPort (3840x2160 @30Hz, 2560x1600 @60Hz)</li> <li>■ 2 * HDMI (1920x1080 @60Hz)</li> <li>■ 2 * RJ45</li> <li>■ Line-out/Microphone combo jack</li> <li>■ Antenna holes</li> <li>■ 12V DC In jack</li> </ul>
<b>Front Panel I/O</b>	■ Power button, LED, 1 * Serial port (RS232/422/485), 2 * USB 3.0 ports
<b>BIOS</b>	■ AMI SMT Flash ROM
<b>Box Contents</b>	<ul style="list-style-type: none"> <li>■ 40W 12V AC Adapter, US Power Cord</li> <li>■ Wall+VESA+DIN mounting bracket</li> <li>■ DIN Rail Clip</li> <li>■ Port dust covers</li> <li>■ (2 *Antenna on WIFI model)</li> </ul>
<b>Compliance</b>	■ CE, FCC, RoHS, ErP Ready
<b>Temperature</b>	■ Operating Temperature 0~50 ° C, Storage Temperature -10-70 ° C
<b>Dimensions</b>	■ 109 x 129 x 34mm (DxWxH)
<b>OS Support</b>	■ Win 7, Win 8.1, Win 10, Linux
<b>Warranty</b>	■ 2 Years limited warranty

\*Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.



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