

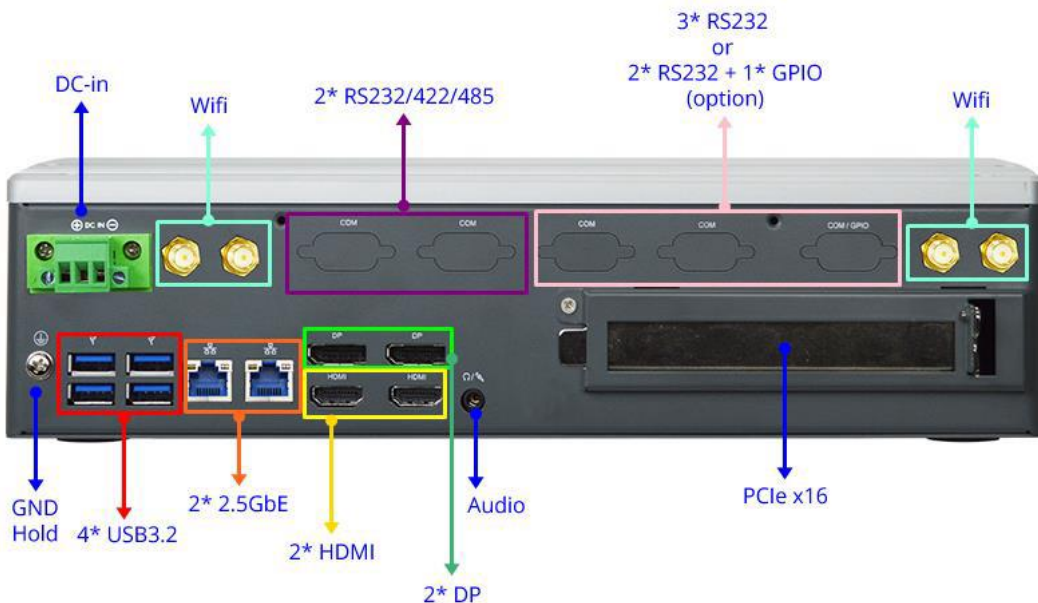
# HB651I215

## Fanless 12/13<sup>th</sup> Gen Embedded Barebone 4\*4K Displays / 2\*HDMI+2\*DP / 2\*2.5GbE



### Features

- Fanless Embedded Barebone System with Planned Lifecycle Through Q1'2037
- Q670E Chipset, Supports Intel 12/13/14<sup>th</sup> Gen up to 65W, Supports DDR5 up to 96GB Total Memory
- 4 \* 4K Displays, 2 \* HDMI, 2 \* Displayport
- 2 \* Intel 2.5GbE, \*Supports vPro and iAMT
- 2 \* M.2 PCIE NVME, M.2 2230 for WIFI, 1 \* 2.5" Bay
- M.2 3042/3052 with Nano SIM for Cellular
- 4 \* USB 3.2 Gen2, 4 \* USB 2.0, up to 5 \* Serial
- PCIE 4.0 x16 Slot (Full Height, Single Slot, 70W Max)
- Watchdog Timer, 12V -26V DC-In, 120W AC Adapter
- Includes Wall and Din Rail Mounting Brackets



<b>Model</b>	<ul style="list-style-type: none"> <li>■ HB651I215</li> </ul>
<b>Part No</b>	<ul style="list-style-type: none"> <li>■ HB651I215-Q670-B, HB651I215I-Q670-B (WIFI)</li> <li>■ HB651I215-Q670-T (TPM 2.0), HB651I215I-Q670-T (TPM 2.0, WIFI)</li> </ul>
<b>Processor</b>	<ul style="list-style-type: none"> <li>■ Intel Q670E chipset, Supports Intel 12/13/14<sup>th</sup> gen processors up to 65W (see CPU support list)</li> <li>■ *Supports vPro on select Intel processors (check Intel website for vPro compatible processors)</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>■ 2 * DDR5 SO-DIMM up to 96GB total memory, 4800/5600 speed depends on CPU</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>■ 1 * 2.5" internal bay for SATA3 6Gb/s</li> <li>■ 1 * M.2 M-key 2242 SATA &amp; PCIE 4.0 x4 NVME</li> <li>■ 1 * M.2 M-key 2280 SATA &amp; PCIE 3.0 x4 NVME</li> </ul>
<b>Network</b>	<ul style="list-style-type: none"> <li>■ 1 * Intel i225/i226-V 2.5GbE, 1 * Intel i225/i226-LM 2.5GbE (iAMT)</li> <li>■ WIFI Model: includes M.2 AC-WIFI+BT installed</li> <li>■ Non-WIFI Model: open M.2 E-key 2230 slot (USB2/PCIE/CNVI)</li> <li>■ M.2 3042/3052 B-key with Nano SIM (USB3/USB2/PCIE)</li> </ul>
<b>Other Features</b>	<ul style="list-style-type: none"> <li>■ AHCI, Watchdog Timer 10-255 min/sec., AT/ATX Power Mode, Optional Onboard TPM2 IC</li> </ul>
<b>Front Panel I/O</b>	<ul style="list-style-type: none"> <li>■ Power, Reset, LEDs</li> <li>■ 4 * USB 2.0 ports</li> <li>■ Fan connector for 120mm external fan (fan optional)</li> </ul>
<b>Rear Panel I/O</b>	<ul style="list-style-type: none"> <li>■ 4 * USB 3.2 Gen2 ports Type-A (10Gb/s)</li> <li>■ Up to 4 * displays, 2 * HDMI 2.0b 4K@60Hz, 2 * Displayport 1.4a 4K@60Hz</li> <li>■ 2 * RJ45</li> <li>■ Line-out/Mic Combo jack</li> <li>■ 12V - 36V DC-in 3-pin Phoenix Terminal block</li> <li>■ 4 * Antenna holes, 5*DB9 punchouts (up to 5 * Serial or 4 * serial + 1 * GPIO)</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>■ AMI Flash ROM with Intel PTT (TPM 2.0 emulation)</li> </ul>
<b>Box Contents</b>	<ul style="list-style-type: none"> <li>■ 120W 19V AC Adapter, US Power Cord, Wall/DIN Mount Brackets, Antenna (WIFI model)</li> </ul>
<b>Compliance</b>	<ul style="list-style-type: none"> <li>■ CE, FCC, RoHS, ErP Ready</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>■ Operating Temperature -20 ~ 60° C with 35W CPU + M.2 SSD</li> <li>■ Operating Temperature -20 ~ 50° C with 65W CPU + M.2 SSD</li> <li>■ Storage Temperature -40 - 85° C</li> </ul>
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>■ 199 x 306 x 79mm (DxWxH)</li> </ul>
<b>OS Support</b>	<ul style="list-style-type: none"> <li>■ Windows 10 64bit, Windows 11 64bit , Linux</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. Does not include memory, HDD, optical, or OS.



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