

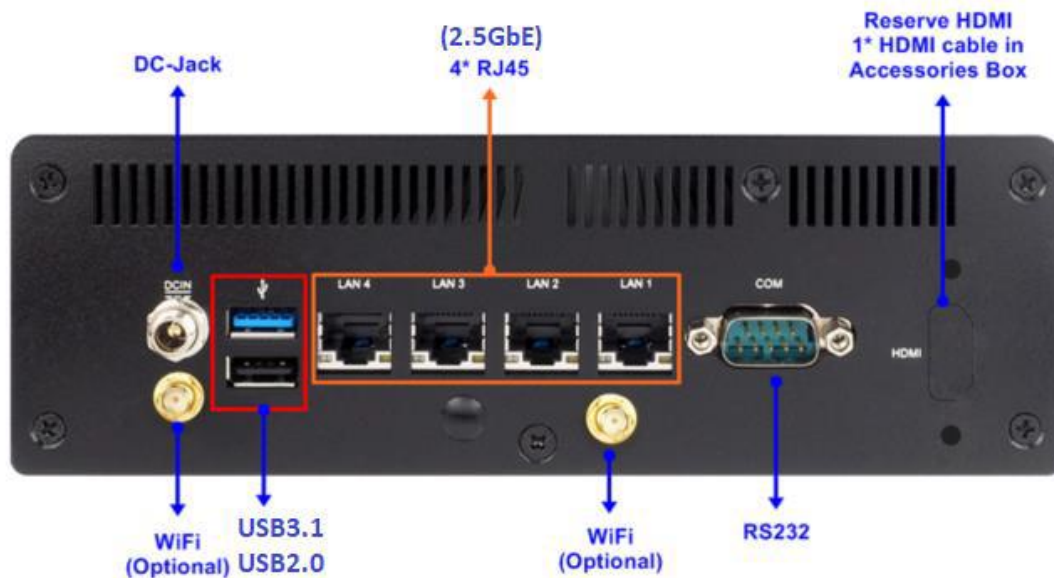
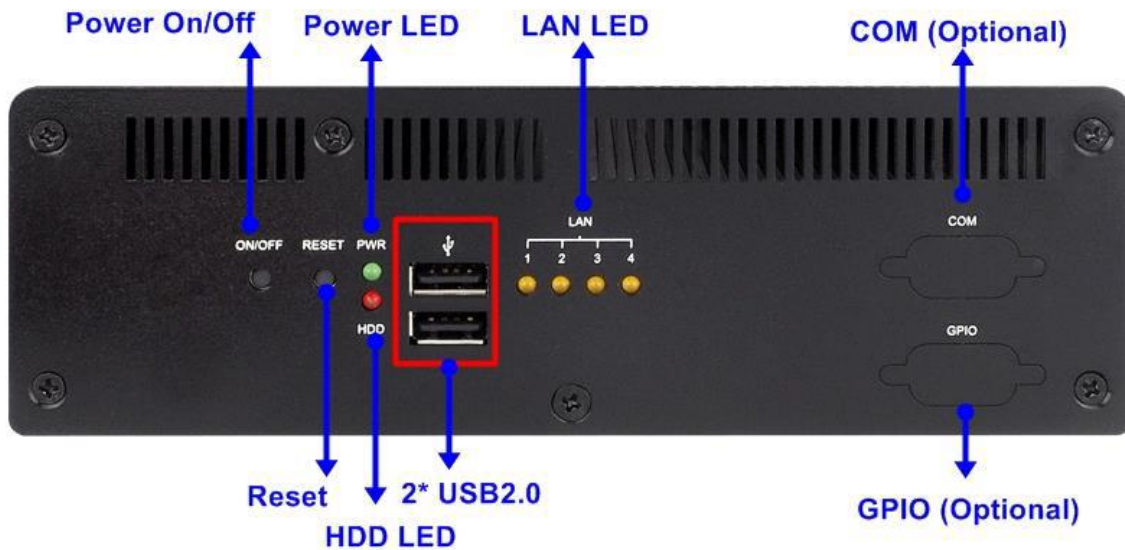
# FDF13

## Fanless Elkhart Lake Networking Barebone 4 \* Intel 2.5GbE / COM/Console / 12V



### Features

- Fanless Embedded Barebone System with Planned Lifecycle Through Q1'2036
- Intel Elkhart Lake Low Power Processors
- Supports DDR4-3200 up to 32GB Total Memory
- 4 \* Intel 2.5GbE LAN, 1 \* 2.5" SATA3 Bay
- M.2 SATA/PCIE 3.0 x2 NVME, M.2 2230 for WIFI
- M.2 3042/3052 with SIM Slot
- 1 \* USB 3.2 Gen2, 3 \* USB 2.0, 2 \* Serial Ports
- Watchdog Timer, 12V DC-In, 60W AC Adapter
- Includes Wall Mounting Brackets



<b>Model</b>	<ul style="list-style-type: none"> <li>■ FDF13</li> </ul>
<b>Part No</b>	<ul style="list-style-type: none"> <li>■ HBFDF13-6412-B, HBFDF13I-6412-B (WIFI)</li> <li>■ HBFDF13-6412-E (64GB EMMC), HBFDF13I-6412-E (WIFI, 64GB EMMC)</li> <li>■ HBFDF13-6412-T (64GB EMMC, TPM 2.0), HBFDF13I-6412-T (WIFI, 64GB EMMC, TPM 2.0)</li> </ul>
<b>Processor</b>	<ul style="list-style-type: none"> <li>■ Fanless Intel Celeron J6412 Quad-core SoC, Elkhart Lake</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>■ 1 * 260-pin DDR4-3200 SO-DIMM up to 32GB total memory</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>■ 1 * 2.5" internal bay for SATA3 6Gb/s (&lt;10mm)</li> <li>■ 1 * M.2 M-key SATA3 or PCIE 3.0 x2 NVME 2242/2280</li> <li>■ Optional 64GB EMMC</li> </ul>
<b>Network</b>	<ul style="list-style-type: none"> <li>■ 4 * Intel i225/i226-V 2.5GbE</li> <li>■ WIFI Model: includes M.2 WIFI+BT card</li> <li>■ Non-WIFI Model: open M.2 E-key 2230 slot (USB/PCIE)</li> <li>■ M.2 B-key 3042/3052 with SIM card slot for Cellular (USB/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 TPM</li> </ul>
<b>Front Panel I/O</b>	<ul style="list-style-type: none"> <li>■ Power, Reset, LEDs</li> <li>■ 2 * USB 2.0 ports</li> <li>■ 2 * DB9 Punchouts for COM/GPIO</li> </ul>
<b>Rear Panel I/O</b>	<ul style="list-style-type: none"> <li>■ 1 * USB 3.2 Gen2 port (10Gb/s)</li> <li>■ 1 * USB 2.0 port</li> <li>■ 4 * RJ45</li> <li>■ 1 * Serial/Console port (RS232/422/485)</li> <li>■ HDMI Punchout (cable included)</li> <li>■ 12V DC-in jack</li> <li>■ 3 * Antenna holes</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>■ AMI Flash ROM</li> </ul>
<b>Box Contents</b>	<ul style="list-style-type: none"> <li>■ 60W 12V AC Adapter, US Power Cord, Wall 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</li> <li>■ Storage Temperature -40 - 85° C</li> </ul>
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>■ 142.4 x 193 x 62mm (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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